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of
A.&T.COLLEGE

Published by
THE NEGRO AGRICULTURAL
AND TECHNICAL COLLEGE
of North Carolina

Obedience to the Law is the Largest Liberty



GREENSBORO, NORTH CAROLINA

Issued Quarterly

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May, 1926

No. 2

CALENDAR 1926-1927

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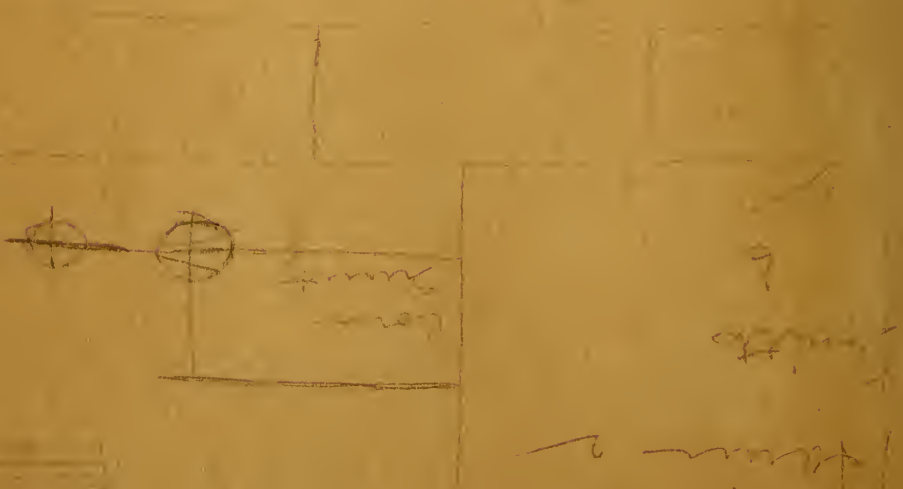
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THIRTY-SECOND

ANNUAL CATALOG

OF THE

Negro Agricultural and
Technical College

OF NORTH CAROLINA

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1926-1927

GREENSBORO, NORTH CAROLINA

TABLE OF CONTENTS

| | Page | | Page |
|--------------------------------------|------|------------------------------------|------|
| Act Establishing the College | 11 | DEPARTMENTS, Continued: | |
| Additional Courses | 16 | Photography | 57 |
| Admission to High School | 13 | Shoemaking | 60 |
| Admission Requirements | 15 | Tailoring | 60 |
| Admission of Special Students . . . | 14 | Trade School Courses | 44 |
| Admission to College | 14 | Medals | 24 |
| Announcements | 3 | Military | 101 |
| Board of Trustees | 6 | Arms and Equipment | 102 |
| Calendar | 5 | Outline Courses of Study | 45 |
| College Buildings | 12 | Music | 99 |
| Degrees | 17 | Trades and Industrial Education . | 61 |
| Directions for Entrance | 125 | Description of Courses | 63 |
| DEPARTMENTS: | | Outline of Courses | 61 |
| Academic | 67 | Roster of Students | |
| Description of Courses | 71 | College | 105 |
| Outline of Courses | 67 | High School | 106 |
| Agriculture | 25 | Summer School | 115 |
| Campus | 25 | Trade School | 113 |
| Equipment | 25 | Regular Students by Counties . | 122 |
| Four Year College Course in | | States and Foreign Countries | 122 |
| Agriculture | 27 | Summary | 123 |
| Outline of Courses | 28 | Expenses | 17 |
| Description of Courses | 31 | Faculty and Officers | 7 |
| Farm | 26 | Free Tuition | 24 |
| High School Course in | | General Information | 20 |
| Agriculture | 26 | Grading System | 16 |
| Description of Courses | 26 | Graduation | 16 |
| Requirements for Graduation . | 27 | Holidays | 5 |
| The Aim | 28 | Industrial Museum | 21 |
| Commercial | 98 | Late Registration | 15 |
| High School | 36 | Laundry | 19 |
| Requirements for Admission . . . | 86 | Library | |
| Requirements for Graduation . . . | 87 | Agricultural | 25 |
| Advanced Standing | 87 | Medals | 24 |
| Classification and Promotion . . | 87 | Monthly Payments | 18 |
| Description of Courses | 89 | Museum | |
| Outline of Courses | 88 | Industrial | 21 |
| Mechanic Arts | 39 | Agricultural | 25 |
| Description of Courses | 43 | Night School | 103 |
| Notice to Students | 24 | Organizations | 20 |
| Curriculum of Courses | 40 | Notice to Mechanic Art Students . | 24 |
| Auto Mechanics | 49 | Prizes | 24 |
| Course in Hotel and | | Requirement for Graduation | 16 |
| Lunch Room Management . | 65 | Rules and Regulations | 22 |
| Course in Laundering | 66 | Rules Governing Classification . . | 22 |
| Automotive Engineering | 40 | Scholarships | 23 |
| Blacksmithing and Wheel- | | Special Days | 5 |
| wrighting | 52 | Special Students | 114 |
| Bricklaying and Plastering . . | 51 | Summer School | 103 |
| Carpentry | 53 | Table of Contents | 2 |
| Manual Training | 54 | Term Payments | 18 |
| Electricity | 55 | Units of Credit | 14 |
| Machine Shop Practice | 56 | Yearly Payments | 19 |
| Outline of Course in Plumbing | 65 | | |

ANNOUNCEMENTS

1. MEDICAL FEE.—Every student lodger must pay two dollars medical fee. There will be no further charges for medical attention; but this fee does not include expenses for medicine, bandages or dressing. Students who do not lodge on the campus are not entitled to the services of the college physician.

2. VACCINATION.—Each student is required to be vaccinated on entering unless he can satisfy the college physician that vaccination is unnecessary.

3. LODGING DEPOSITS.—On account of limited accommodations, students should secure rooms at once by paying one dollar for September lodging. In case of sickness or inability to attend, the one dollar will be refunded, provided application for the return is made before September 14, 1926.

4. SPECIAL EXAMINATIONS.—Entrance examinations and examinations for the removal of conditions will be held September 14th. All students with conditions should avail themselves of this opportunity.

Each student must pay in cash on entering all entrance fees and expenses for the first month.

CALENDAR FOR 1926

| JANUARY | FEBRUARY | MARCH | APRIL |
|----------------------|----------------------|----------------------|----------------------|
| S M T W T F S | S M T W T F S | S M T W T F S | S M T W T F S |
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| 10 11 12 13 14 15 16 | 14 15 16 17 18 19 20 | 14 15 16 17 18 19 20 | 11 12 13 14 15 16 17 |
| 17 18 19 20 21 22 23 | 21 22 23 24 25 26 27 | 21 22 23 24 25 26 27 | 18 19 20 21 22 23 24 |
| 24 25 26 27 28 29 30 | 28 -- -- -- -- -- | 28 29 30 31 -- -- -- | 25 26 27 28 29 30 -- |
| 31 -- -- -- -- -- | -- -- -- -- -- | -- -- -- -- -- | -- -- -- -- -- |
| MAY | JUNE | JULY | AUGUST |
| S M T W T F S | S M T W T F S | S M T W T F S | S M T W T F S |
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| 2 3 4 5 6 7 8 | 6 7 8 9 10 11 12 | 4 5 6 7 8 9 10 | 8 9 10 11 12 13 14 |
| 9 10 11 12 13 14 15 | 13 14 15 16 17 18 19 | 11 12 13 14 15 16 17 | 15 16 17 18 19 20 21 |
| 16 17 18 19 20 21 22 | 20 21 22 23 24 25 26 | 18 19 20 21 22 23 24 | 22 23 24 25 26 27 28 |
| 23 24 25 26 27 28 29 | 27 28 29 30 -- -- -- | 25 26 27 28 29 30 31 | 29 30 31 -- -- -- |
| 30 31 -- -- -- -- | -- -- -- -- -- | -- -- -- -- -- | -- -- -- -- -- |
| SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
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| 19 20 21 22 23 24 25 | 17 18 19 20 21 22 23 | 21 22 23 24 25 26 27 | 19 20 21 22 23 24 25 |
| 26 27 28 29 30 -- | 24 25 26 27 28 29 30 | 28 29 30 -- -- -- | 26 27 28 29 30 31 -- |
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CALENDAR FOR 1927

| JANUARY | FEBRUARY | MARCH | APRIL |
|----------------------|----------------------|----------------------|----------------------|
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| 30 31 -- -- -- -- | -- -- -- -- -- | -- -- -- -- -- | -- -- -- -- -- |
| MAY | JUNE | JULY | AUGUST |
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| 22 23 24 25 26 27 28 | 19 20 21 22 23 24 25 | 17 18 19 20 21 22 23 | 21 22 23 24 25 26 27 |
| 29 30 31 -- -- -- | 26 27 28 29 30 -- -- | 24 25 26 27 28 29 30 | 28 29 30 31 -- -- -- |
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| SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
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| 18 19 20 21 22 23 24 | 16 17 18 19 20 21 22 | 20 21 22 23 24 25 26 | 18 19 20 21 22 23 24 |
| 25 26 27 28 29 30 | 23 24 25 26 27 28 29 | 27 28 29 30 -- -- -- | 25 26 27 28 29 30 31 |
| -- -- -- -- -- | 30 31 -- -- -- -- | -- -- -- -- -- | -- -- -- -- -- |

CALENDAR, 1926-1927

- September 14—Entrance examinations and examinations for removal of conditions.
September 15—Registration Day.
September 16—Fall Term Begins.
December 8-9—Fall Term examinations for College.
December 13—Registration Winter Term. College Department.
December 14—Winter Term begins. College Department.
January 25—First Semester closes. High School.
January 26-27—High School examinations.
January 31—Second Semester Begins. High School.
March 16-17—Winter Term examinations for College.
March 21—Spring term begins. College Department.
May 26-27—Spring Term examinations.
May 29—Baccalaureate Sermon.
May 31—Commencement.

HOLIDAYS

- Armistice Day.
Thanksgiving Day.
Christmas Holidays,
December 23, 1926-January 3, 1927.
Easter Monday.
July 4.

SPECIAL DAYS

- Arbor Day, November 19—Special Program by the Department of Agriculture and Chemistry.
Douglas' Birthday, and Negro History Week, February 12-15
—Special Program by English Department.
Morrill's Birthday, April 14—Agriculture and Mechanic Arts Societies have special programs.

BOARD OF TRUSTEES

| | |
|--------------------------|----------------------|
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*Leave of absence 1926-1927.

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Professor of Mechanical Engineering

*Leave of absence 1926-1927.

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C. G. COX

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Teacher Trainer and Principal of Trade School

B. T. SHELTON

Instructor in Masonry and Plastering

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Registrar

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Librarian

MRS. A. B. CAMPBELL

Matron

10 THE NEGRO AGRICULTURAL AND TECHNICAL COLLEGE

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Physician

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Secretary to the President

VIOLA E. BRANNIC
Secretary to the Director Agricultural Department

J. D. STEWART, B. C.
Requisition Officer

WM. ELLIS
Steward

EXTENSION WORKER

H. E. WEBB, B. S. A.
County Demonstration Agent, Guilford County

THE NEGRO AGRICULTURAL AND TECHNICAL COLLEGE OF NORTH CAROLINA

This college was established by an act of the General Assembly of North Carolina, ratified March 9, 1891. The leading object of this institution is declared by the act to be instruction in practical agriculture, the mechanic arts and such branches of learning as relate thereto.

The management and control of the college and the care and preservation of all its property are vested in a Board of Trustees, consisting of fifteen members, who are elected by the General Assembly, or appointed by the Governor, for a term of six years.

The Trustees, by the act of the Legislature, have power to prescribe rules for the management and preservation of good order and morals at the college; to elect the president, instructors, and as many other officers and servants as they shall deem necessary; have charge of the disbursements of the funds, and have general and entire supervision of the establishment and maintenance of the college.

The financial support of the college for the payment of salaries and purchase of apparatus and equipment is derived from the United States, under an Act of Congress, known as the "Morrill Act," passed August 20, 1890. This act makes an annual appropriation for each State and Territory for the endowment and support of colleges for the benefit of agriculture and mechanic arts to be applied "only to instruction in agriculture, the mechanic arts, the English language and the various branches of mathematics, physical, and natural economic sciences, with special reference to their application in the industries of life and the facilities of their instruction."

The college also receives an appropriation from the State for general maintenance, which cannot be provided for under the laws governing the use of federal appropriations.

The citizens of Greensboro donated fourteen acres of land and \$11,000 to be used in the construction of buildings. In 1893 this was supplemented by an appropriation of \$10,000 by the General Assembly. Dudley Hall, one of the finest school edifices in North Carolina, was completed in 1893, and the school opened in the fall of that year.

Every Negro who will observe the splendid record of success and usefulness which the graduates almost without exception are making must naturally feel grateful to the "Old North State" for the excellent work that this Commonwealth is doing for the uplift of its Negro citizens. Whoever will note the substantial interest and splendid support that this institution is receiving from every State official and from the representatives of the people in every Legislature, must admire the wise and liberal treatment North Carolina is giving for the maintenance of helpful institutions for her Negro citizens, and ever appreciate the excellent results that are being accomplished. It is certain no Negro can study the important work of this institution and its influence for the advancement of all people without feeling a stronger sense of obligation to his State and that he should strive to be a better, truer and more patriotic citizen of the great State of North Carolina.

THE COLLEGE BUILDINGS

The College buildings are heated with steam and lighted by electricity. All the buildings are kept in a sanitary condition and the healthfulness of the campus and surroundings is well known.

DUDLEY HALL

Dudley Hall is built of brick and is regarded as one of the finest school buildings to be found in the State. It is three stories in height, with a tower from which a fine view of the city and the surrounding country may be obtained. It contains recitation rooms for the Academic Department, the Chapel, Library, Auditorium, offices for the President, Dean, Treasurer, Registrar and Bursar.

NORTH DORMITORY

The North Dormitory is a three-story building which contains rooms for about 70 students.

SOUTH DORMITORY

The South Dormitory is a three-story, brick building, which contains rooms for 92 students, the basement of which is used for store rooms.

MORRISON HALL

Morrison Hall is a fireproof, three-story building with basement. It contains rooms for one hundred students.

THE AGRICULTURAL BUILDING

The Agricultural Building is a fireproof, three-story structure, with basement. It contains laboratories for botany, zoology, geology, physics and chemistry and class rooms and offices for the Director and the heads of divisions.

MECHANICAL BUILDING

The Mechanical Building is a two-story brick building with basement. In the basement of this building are located the brick shop and the wood turning shop. On the first floor are the machine, the carpentry, the tailor and the shoe shop, while on the second floor are the Director's office, drawing rooms and the studio.

AUTO MECHANICS BUILDING

Automobile Mechanics Building is a one-story, fireproof structure. It is 120 feet long and 55 feet wide, and contains class rooms, a machine shop, a storage room for cars.

MURPHY HALL

Murphy Hall is a one-story, fireproof building, which contains the dining room and the kitchen. The dining room contains seating capacity for 800 students. It is one of the most beautiful buildings of its kind to be found in the State.

ADMISSION TO HIGH SCHOOL

Before coming to the college every student should write for an application blank. This should be filled out and returned to the Director of the Academic Department. The student will then be informed whether his application has been accepted. He should not leave home for the college until he has received word that his application has been accepted.

Applicants must be in good health and not under fifteen years of age.

Entrance examinations will not be required of students who have completed the seventh grade in the grammar schools,

or who can furnish evidence that they have completed, in reputable schools, courses similar to those completed by the class to which they seek admission.

ADMISSION OF SPECIAL STUDENTS

Only in exceptional cases will students be admitted to the specially arranged courses of study, and then only when the age, experience, and the purpose of the applicant are clearly different from those of the regular student. An applicant for admission as special student should write to the President, stating first, his age; second, his school preparation; third, his practical experience, the courses he desires to take, and the reasons for the special courses.

ADMISSION TO COLLEGE

Students from other institutions who desire admission to the Freshman Class must show that they have completed fifteen units of high school work. At least eight units should be in the following subjects:

| | |
|-------------------------|---------|
| English | 4 units |
| History | 2 units |
| *Foreign Language | 2 units |
| Algebra | 1 unit |
| Plane Geometry | 1 unit |
| Science | 1 unit |

The remaining credits to make up the fifteen units may be offered from the following subjects: English 1, Foreign Languages 2, Mathematics 1, Science 2, History 1, Mechanical Drawing 1, Agriculture 2, Manual Training 1.

UNIT OF CREDIT

A unit of work in the above requirements is approximately a fourth of a year's work in a secondary school. It is assumed that a study is pursued for four or five periods a week; that the recitation periods are from forty to sixty minutes in length; and that the length of the school year is from eight to nine months. In the College the unit of credit is the term

*Not required of students specializing in trades who are not working for a degree.

hour, which stands for one recitation or two laboratory periods per week for twelve weeks. Each recitation period carries with it approximately two hours of preparation.

ADMISSION REQUIREMENTS

Applicants for advance standing will be passed upon by a committee on classification.

All persons who desire to enter the college should make application to the Dean as early as possible before the opening of the school, September 14th. Those who desire to be admitted by certificate should apply as soon as possible after graduation from the high school. For all applicants the blank form found in the back of the catalogue is sufficient. Early attention to this matter will save the student much delay at the opening of the session.

Admission to the College must be secured in one of the following ways:

1. By certificate. Graduates from high schools in the State will receive entrance credits according to the standing of their respective schools, as shown by the official bulletin of the State Department of Education. If the student is not a high school graduate, he must comply with the requirements by examination.

2. By examination. Entrance examinations will be held at the college on the following date: September 14.

3. Students who expect to get credit for their work must enter on or before October 4th.

4. Every student, irrespective of the method by which he seeks admission, must present to the College, through the principal of his former school, a transcript covering his entire record of subjects and grades for four years, and second, a statement including teacher's estimate of his character.

LATE REGISTRATION

A former student who registers after the last regular registration day will be required to pay the registration fee of 50c for each day he is late. A late registration fee of \$5.00 will be required of all students who fail to register during the registration days of the winter and spring terms, provided they registered during the fall term. Class work will

begin promptly as scheduled and late registrants will be required to pass an examination upon all work already completed in the course they desire to take.

Regular work consists of eighteen hours.

GRADING SYSTEM

At the end of each quarter or semester, the standing of each student is reported by the Instructor to the Registrar and is entered on the records. The student's standing is expressed, according to proficiency, in grades A, B, C, D, E.

There are four passing grades, as follows:

A, 90 to 100; B, 80 to 89; C, 70 to 79; D denotes that work is conditional. E denotes failure to make passing grade. To get credit, the student must repeat the course.

ADDITIONAL COURSES

Students will not be permitted to add a course except on the approval of the Director of the Department in which he is taking his work, and in no case later than two weeks after the class work has begun.

GRADUATION

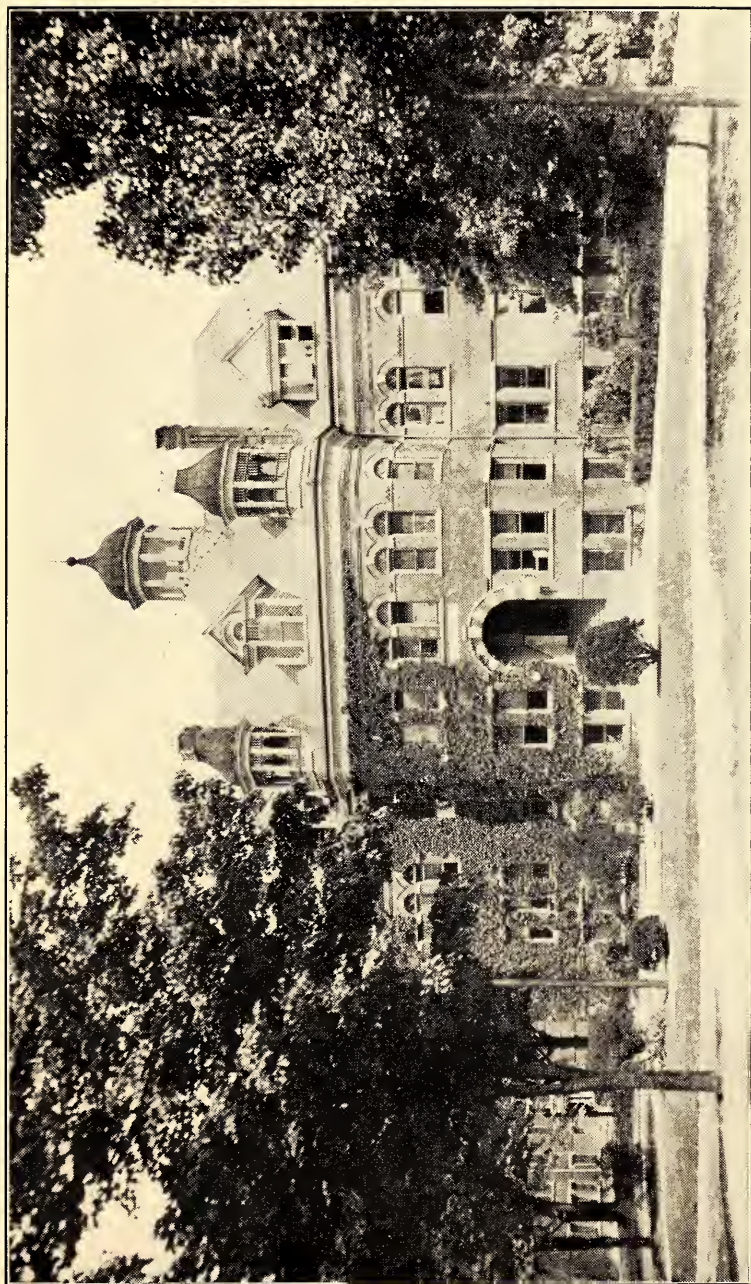
Graduation from the A. and T. College involves the satisfaction of the following requirements:

GRADUATION REQUIREMENTS

First, before becoming a candidate for graduation, a student must have completed 210 term hours of college work. The completion of 216 term hours are required for graduation from the Agriculture Department. 235 hours are required for graduation from the Mechanical Department.

Second, the completion of a satisfactory thesis by all candidates for degrees. The thesis assigned must be filed with the Registrar on or before April 1st of the Senior year.

Third, payment of diploma fee of five dollars must be made to the Bursar on or before May 1st, preceding the graduation.



DUDLEY HALL, ADMINISTRATION BUILDING



AGRICULTURAL AND SCIENCE BUILDING

It is the aim of the institution to send forth men who are fit representatives. To this end, the faculty reserves the right to refuse to admit any student to the Senior class or to graduate any one who, though qualified by class record, may otherwise be unfit.

A student satisfactorily completing a short course in some agricultural or mechanical branch will be awarded a certificate upon payment of one dollar.

The College reserves the right to require candidates for graduation from college or high school, in addition to the work outlined in the catalogue, to spend at least one summer at the college for instruction in practical work, unless they furnish satisfactory reports from responsible persons as to their efficiency.

Students in the graduating class must clear all conditions by the close of the winter term. Students will not be allowed to remove conditions in the spring term of the graduating year.

DEGREES

Students graduating from the Agricultural Course shall be entitled to the degree of Bachelor of Science in Agriculture.

Students graduating from the Mechanic Art Course shall be entitled to the degree of Bachelor of Science in Mechanics.

EXPENSES

Parents and guardians are advised to send direct to the President of the College all sums of money intended to defray expenses of students. If this suggestion is followed, it will not be possible for a student to spend for other purposes money sent him to meet his school bills. School bills must be paid by cash, postoffice money order, or bank draft. Personal checks are not accepted.

Although it is the aim of the college to furnish as much employment as possible to assist students in defraying expenses, no promise nor guarantee can be made in advance to furnish such work.

Students who work during the day and attend school at night will be given an opportunity to earn sixteen dollars a

month. This will meet their current monthly expenses; but the first month must be paid in cash in the same way as day students.

No money paid on school bills will be returned, except such as may be paid in advance of the current month, and no student will be credited with fractional parts of monthly payments, except that students entering may make their initial payment to the first of next month.

Positively no students will be allowed to enter any department of the college without paying in cash the first month's expenses, as stated below.

The first month's expenses will be about \$40.00 for new students and about \$35.00 for former students. Expenses for subsequent months will be between \$17.00 and \$20.00.

Matriculation fee of \$5.00 payable only by new students. The applicant will make the following payments:

MONTHLY PAYMENTS

Tuition per month, \$2.00.

Lodging, per month, \$2.00; in Morrison Hall, \$3.00 per month.

Laundry fee, per month, \$2.00.

Board, per month, \$12.00.

TERM PAYMENTS

| | |
|--------------------------------|--------|
| Auto Mechanics | \$5.00 |
| Blacksmithing | 3.00 |
| Carpentry | 3.00 |
| Electricity and Plumbing | 2.00 |
| Machine Shop Practice | 2.00 |
| Masonry | 2.50 |
| Photography | 5.00 |
| Shoemaking | 3.00 |
| Commercial Course | 3.00 |
| Tailoring | 5.00 |
| General Science | 1.00 |
| Chemistry | 2.00 |
| Physics | 2.00 |
| Biology | 2.00 |

LAUNDRY

The College operates a well-equipped steam laundry for the benefit of the students. Each boarding student is therefore required to have at least a dollar's worth of laundry done each month.

YEARLY PAYMENTS .

| | |
|---|--------|
| Incidental Deposits | \$2.00 |
| Registration Fee (for former students only) | 1.00 |
| Dining Hall Fee | 1.00 |
| Medical Fee | 2.00 |
| Library Fee | 1.00 |
| Athletic Fee | 5.00 |
| Lecture Fee | 2.00 |
| Uniform deposit | 5.00 |

Each student should come prepared to pay in full for his uniform.

FOR NEW STUDENTS ONLY

| | |
|-------------------------|--------|
| Matriculation Fee | \$5.00 |
|-------------------------|--------|

These charges are payable strictly in advance.

Students at the time of the advance payment will be given cards, which will admit them to the class rooms, work shops and dining hall when properly countersigned.

In addition to the above expenses, the cost of textbooks must be considered. This will amount to about \$12.50 per year.

Board, lodging, medical fee, tuition and incidental deposit must be paid for before the rooms are assigned and tickets of admission to class rooms, work shops and dining hall are issued.

All school bills must be paid on the first day of each month.

Parents will see to it that their sons' bills are paid on time, as students will not be permitted to attend their classes unless their bills are paid.

Each student should bring two quilts or blankets, one counterpane, four sheets, two pillow cases, six towels, etc.

All students must furnish books, stationery, and medicines.

Each student must keep on deposit \$2.00 to cover any charges which may be made against him for damages done.

Our regular college uniforms are neat and attractive and can be worn at all times.

The regular uniform is made of very good material and should last the average student at least two or three years.

The cost of uniforms (two pieces) with cap is \$22.00. For privates and officers, \$22.00, plus the cost of the insignia of rank, which will be not more than \$1.00. All students will be required to wear uniforms.

GENERAL INFORMATION

Students desiring assistance in defraying expenses, as far as possible, will be allowed to work, for which they can get credit each month at the time of their advance payment.

The pay allowed all students, except Seniors, shall be in settlement of their accounts or claims against the college.

The several industries operated in the school afford opportunity for needy but industrious students to help themselves. It is impossible to state definitely and in advance how much a student, and especially a new one, can earn per month. This largely depends upon his individual application and energy. All can earn something each month, while the most industrious and energetic student will regularly earn his expenses.

Each student upon applying for admission will be requested to sign a pledge to obey the rules of the college. Parents and guardians are particularly requested to examine our rules and regulations, to be found on another page of this catalogue.

It will be the purpose of the college to maintain a high moral tone and develop a broad, tolerant religious spirit among the students. In this connection there is a well organized Y. M. C. A., which meets twice a week for song and praise. A special service will be conducted in the chapel each Sunday by pastors representing the different denominations of the city. Sunday School is conducted every Sunday during the school year. All religious services will be free from sectarianism.

ORGANIZATIONS

There are two literary societies—the Dunbar and Douglas, which greatly stimulate the development of character and the training of the intellect. These offer facilities for practice in

debate, oratory, declamation and essay writing; the members become reasonably familiar with parliamentary law and usage. The faculty, by presence and advice, will seek to encourage these societies. Membership in one or the other of these societies will be compulsory. There are two technical societies, in which special topics in connection with agriculture, mechanics and chemistry are considered in a manner conducive to independent thought and research.

Students whose parents or guardians do not live in Greensboro or its immediate vicinity will be required to room and board in the college—except when the consent of the faculty has been secured by the written request of the parent or guardian. Consent will only be given, however, when the judgment of the faculty directs that it can be done with safety, as the college cannot, nor does it desire to, rid itself wholly of responsibility out of school hours of the conduct of students who do not room and board in the college.

Students who are dismissed or expelled will be required to leave immediately. If they do not have railroad fare, they will be put to work for board and lodging only until such time as parents or guardians shall send money for their traveling expenses.

Students who lodge on the campus will be required to board in the dining room.

Students should note that three unexcused absences or six marks for tardiness in one month, unless excused by the discipline committee, render a student liable for dismissal.

The industrial part of each course of instruction applies to all students, and none will be excused therefrom.

INDUSTRIAL MUSEUM

An industrial museum has been started and already valuable collections of work done by students are to be seen. We have collections representing the work in carpentry, blacksmithing and the various trades; also specimens from the Agricultural, English and Dairy Departments. Such articles for exhibit are collected every month.

RULES AND REGULATIONS

1. The signal for rising will be given at 6:00 a. m. Dressing and arranging rooms, 6:15 to 6:45 a. m. Inspection, 6:45 a. m. Breakfast, 7:00. Morning session, 8:00 to 12:00. Chapel 12:00 to 12:30 p. m. Dinner, from 12:30 to 1:00 p. m. Afternoon session, 1:00 to 4:00. Study, 7:00 to 10:00 p. m. Inspection, 9:45 p. m. Retiring signal and lights out, 10:15 p. m.

2. Strict attention must be given to cleanliness and deportment. Each student is required to keep his room in order and subject to inspection at any time, and to conduct himself at all times in a gentlemanly manner. To maintain a higher moral standard is one of the prime objects of this institution; and any student known to have vicious habits or to indulge in vulgar language, will be deemed an unfit associate and will be expelled from the college.

3. Untruthfulness or dishonesty in any form will not be tolerated. Students guilty of such offenses will be promptly dismissed.

4. Students shall promptly attend prayers and chapel services, and special exercises and class instruction work. Tardiness or absence from these duties will, when not excused, subject a student to demerits. Loitering in Dudley Hall by the students is prohibited.

5. Students who interrupt the quiet and order of the college life by noise in or near the buildings or who commit intentional damages to college property or who become a nuisance by throwing slops near the buildings or otherwise, will not be allowed to room on the grounds.

6. Students who persistently absent themselves from chapel and class work, or who persistently neglect college duties, or who absent themselves from college grounds contrary to rules and regulations, are not regarded as desirable companions for industrious, meritorious students, and will not be allowed to continue as students in the college.

7. Students must attend church on Sunday morning. Parents or guardians should designate to the President of the college what church they wish their sons or wards to attend.

8. Any student shooting or having on his person, in his room, or on the college premises, rifles, spring guns, firearms,

or deadly weapons of any kind whatsoever will be dismissed.

9. The use of playing cards, tobacco, spirits, malt or vinous liquors by the student is prohibited. Students are forbidden to enter any disreputable house while absent from the college grounds.

10. Students are forbidden to receive visitors in the dormitory building.

11. At all times the students shall deport and express themselves respectfully toward the faculty and every member of it, and also toward their fellow students. Any deficiency in this particular will be punished. A student failing to respond to any reasonable demands by members of the faculty shall be held guilty of contempt and punished accordingly.

12. No student will be retained after he has received thirty-four demerits during the session.

13. Every new student must be vaccinated before entrance, or present a doctor's certificate showing that vaccination is unnecessary.

14. A student cannot remain in good standing in any department when dismissed from another.

15. No diploma shall be given to any student who is in debt to the college.

16. Any student found guilty of any species of dishonesty shall be dismissed or expelled, at the discretion of the faculty.

By order of the Board of Trustees.

THE FOLLOWING SCHOLARSHIPS AND PRIZES WILL BE AWARDED IN 1926-1927

SCHOLARSHIPS

The A. M. Scales scholarship of \$25.00 on board, lodging and tuition will be allowed to the student completing the Freshman year with the best record in scholarship and deportment.

The Odell Hardware Company scholarship of \$25.00 on boarding, lodging and tuition will be allowed to the student completing the Sophomore year with the best record in scholarship and deportment.

The scholarships herein announced will be awarded to the winners on Commencement Day. They will be available January 1, 1927.

PRIZES

A prize of \$3.00, known as the Cone Cash Prize, will be given to the student who submits the most practical, original suggestion for the improvement of college affairs.

MEDALS

The John Merriek Medal will be awarded to the student completing the full mechanical course with the best four-year record in the college department.

The John D. Wray Medal will be awarded to the student completing the full four-year course in agriculture with the best record, upon the following conditions:

The successful student entering the contest must have a general average of B in every agricultural and academic subject during the Freshman, Sophomore and Junior years, and a general average of A in his practical work and deportment.

The student to be eligible in his Senior year must have a general average of A in all his agricultural and academic subjects and A in his practical deportment.

The title of the medal will be, "For excellence in Agricultural Science." The medal will be of a fine quality and in keeping with the high purpose for which it is given.

FREE TUITION

Free tuition will be allowed any student for one year following a year in which he is on the Honor Roll for three consecutive terms.

NOTICE TO MECHANIC ARTS STUDENTS

Mechanic Arts students, in order to receive a passing grade in any industry, must do 90 hours work per term if in the high school course, or 135 hours per term in the trade school courses.

Mechanical students will take notice that the number of hours practical work scheduled must be done satisfactorily before graduating from the college department.

DEPARTMENT OF AGRICULTURE

The Department of Agriculture aims to educate efficient farmers, teachers of agriculture, agricultural extension workers and leaders in other lines of agricultural activities. The courses co-ordinate instruction with practice in the successful production of crops and animals, embracing a thorough training in horticulture, dairying, poultry production, rural engineering, rural economics, rural sociology and rural education.

The Department offers two courses, viz., a four-year high school course in agriculture and a four-year college course in agriculture.

EQUIPMENT

The New Agricultural Building provides ample room for all agricultural class and laboratory activities, including the related sciences of botany, zoology, physics and chemistry. In addition to the laboratories and class rooms provided for in this building, there is also an agricultural library for the purpose of having books, state and federal reports, bulletins, journals, etc., of a special nature readily available for agricultural students and instructors and a museum, which is to contain hundreds of specimens of normal and diseased plants, insect pests, etc., found throughout the State of North Carolina and in many parts of the entire country.

CAMPUS

The campus, containing approximately twenty-five acres, offers an opportunity for practice in landscape gardening, vegetable growing, etc. There are also two splendid greenhouses on the campus that make it possible to give instruction and practice in greenhouse management, a very popular and promising feature of our agricultural activities.

FARM

The farm, which is located on the National Highway and also on the Southern Railroad from Greensboro to Goldsboro, about one mile from the campus, contains one hundred and three acres, most of which is under cultivation. Here is a two-story brick dormitory for farm project boys, with conveniently located barns, implement shed, poultry plant and a modern dairy barn.

This farm is equipped with the modern implements necessary for successful farming under North Carolina conditions. It is an ideal farm in size, because it gives an opportunity for instruction and practice in handling small farms on an intensive basis, the type of farming that will inevitably be followed in this country in the near future.

HIGH SCHOOL COURSE IN AGRICULTURE

This is a standard high school course so arranged as to give four units in vocational agriculture which will be accepted as college entrance units. The vocational work is based upon the project plan of instruction and aims to prepare the student to return to the farms with an increased earning capacity and a deeper appreciation of the great opportunities of rural life. Students who desire and are able to continue their education after finishing this course, will find it possible to enter any of the standard colleges for a degree course.

The plan of the work of this course is so correlated with the plans of the vocational schools of the state that the students from those schools may enter this institution without unnecessary duplication of work.

* DESCRIPTION OF COURSES

VOCATIONAL AGRICULTURE I (Plant Production) :

A study of the economic plants, their structure and activities; and the distribution of the field plants commonly grown in North Carolina. Each student taking the course will be required to conduct a crop project, in the conduct of which special attention will be given to farm shop practice, farm implements, crop succession, the cultural methods intended to increase production and cost accounting.

*Non-vocational courses same as those prescribed by Academic Department.

VOCATIONAL AGRICULTURE II (Animal Production) :

A general study of practical animal production with special reference to North Carolina conditions. Special attention will be given to the problem of selection, feeding, management and marketing. Supervised practice work will be required, and students are encouraged to conduct ownership projects.

VOCATIONAL AGRICULTURE III (Horticulture) :

A practical study of the elementary principles of home and commercial gardening and fruit growing, with special emphasis on North Carolina conditions. Attention will be given to cultural methods, propagation and pest control. Each student taking this course will be required to conduct a horticultural project. Special attention will be given to problems of marketing the products.

VOCATIONAL AGRICULTURE IV (Dairying and Poultry Production) :

In this course the students have an opportunity to study the fundamental principles of practical dairying and poultry production. Supervised practice work will be required, and students are encouraged to conduct ownership projects.

FOUR YEAR COLLEGE COURSE IN AGRICULTURE

This course leads to the B. S. degree in Agriculture. The entrance requirements are the same as given on page 14 of this catalog. It will be to the advantage of students desiring to take this course to be able to offer as many high school units in agriculture as possible.

REQUIREMENTS FOR GRADUATION

The successful completion of the prescribed course of study of 144 semester credits or 216 term credits is required. In addition, the student must have a thorough, practical knowledge of farm activities and of rural life conditions before receiving his degree. Students who have not had this experience before entering the course will be given an opportunity to get it during the college career.

THE AIM

This course aims to give the scientific, or technical training (based on a practical knowledge of farm activities) that will enable those completing it to hold positions of trust as owners and conductors of farms, teachers of agriculture, extension workers. Aside from the instruction in technical agriculture, the course gives a broad training in the sciences related to agriculture, the liberal and professional subjects.

The winter term of the Senior year is to be spent on the field in placement training, or as an apprentice.

All agricultural students are required to attend the bi-monthly meetings of the Agricultural Association. Absences from these meetings will be treated as absences from any other college appointments.

OUTLINE OF COURSES

FRESHMAN

Fall Term:

| | |
|--|----------|
| Agronomy I (Field Crops) | *5 (4-2) |
| Botany I (General) | 4 (3-2) |
| Chemistry I (Inorganic) | 5 (3-4) |
| Rural Engineering I (Farm Math.) | 4 (4-0) |
| English I | 3 (3-0) |
| Military Science | |

Winter Term:

| | |
|---|---------|
| An. Industry I (Types and Breeds) | 4 (3-2) |
| Chemistry II (Inorganic) | 5 (3-4) |
| Rural Eng. II (Farm Machinery) | 4 (2-4) |
| Agronomy II (Forage Crops) | 5 (4-2) |
| English II | 3 (3-0) |
| Military Science | |

Spring Term:

| | |
|---------------------------------------|---------|
| Botany II (General) | 4 (3-2) |
| Chemistry III (Inorganic) | 5 (3-4) |
| Horticulture I (Veg. Gardening) | 5 (2-6) |

*The figures following a course indicate the number of credits assigned to it. The figures in parenthesis show the hours of lecture or recitation and the laboratory hours per week.

| | |
|---|----------|
| Rural Eng. III (Farm Drainage and Road Building) | *4 (2-4) |
| English III | 3 (3-0) |
| Military Science | |

SOPHOMORE

Fall Term:

| | |
|--|---------|
| Chemistry IV (Qualitative Analysis) | 5 (2-6) |
| Animal Industry VIII (Principles of Milk Testing) | 4 (1-6) |
| Rural Eng. IV (Farm Structures) | 4 (1-6) |
| Zoology I (General) | 5 (4-2) |
| English IV | 3 (3-0) |
| Military Science | |

Winter Term:

| | |
|---------------------------------------|---------|
| An. Industry II (An. Nutrition) | 4 (3-2) |
| Agricultural Economics I | 4 (4-0) |
| English V | 3 (3-0) |

Winter Term:

| | |
|--|----------|
| Chemistry V (Agricultural Organic) | *5 (3-4) |
| Horticulture II (Landscape and Greenhouse Management) | 5 (3-4) |
| Military Science | |

Spring Term:

| | |
|--|---------|
| Agronomy III (Soils and Fertilizers) | 4 (3-2) |
| Zoology II (Economic Entomology) | 5 (3-4) |
| English VI | 3 (3-0) |
| Animal Industry III (Diseases of Farm Animals) | 4 (3-1) |
| Chemistry VI (Advanced Agr. Organic) | 5 (3-4) |
| Military Science | |

JUNIOR

Fall Term:

| | |
|--|---------|
| English VII | 3 (3-0) |
| Animal Industry V (Stock Judging) | 3 (1-4) |
| Bacteriology I (General) | 4 (3-2) |
| Agricultural Education I (General Psychology) .. | 4 (4-0) |
| Animal Industry VI (General Poultry Problems) | 4 (3-2) |
| Military Science | |

*The figures following a course indicate the number of credits assigned to it. The figures in parenthesis show the hours of lecture or recitation and the laboratory hours per week.

Winter Term:

| | |
|---|----------|
| English VIII | *3 (3-0) |
| Bacteriology II (Agricultural) | 4 (3-2) |
| Animal Industry IX (Manufacturing of Dairy Products) | 4 (2-4) |
| Animal Industry VII (Incubation, brooding) .. | 3 (1-4) |
| Agricultural Education II (Ed. Psychology) .. | 3 (3-0) |
| Agricultural Economics II (Marketing) | 3 (3-0) |
| Military Science | |

Spring Term:

| | |
|---|---------|
| English IX | 3 (3-0) |
| Horticulture III (Principles of Fruit Growing) | 4 (3-2) |
| Agricultural Education III (Voc'l Ed.) | 3 (3-0) |
| Agricultural Education IV (Extension Service) | 3 (3-0) |
| Agricultural Education V (Rural School Administration) | 5 (5-0) |
| Animal Industry V (Breeding) | 3 (3-0) |
| Military Science | |

SENIOR

Fall Term:

| | |
|---|----------|
| English X | *3 (3-0) |
| Agricultural Economics III (Farm Accounting) | 4 (2-4) |
| Horticulture IV (Small Fruits) | 3 (2-2) |
| Agronomy IV (Crop Diseases) | 4 (3-2) |
| Agricultural Education VI (Rural Sociology and Leadership) | 3 (3-0) |
| Graduation Thesis | 1 (1-0) |

Winter Term:

| | |
|---|---------|
| English XI | 3 (3-0) |
| Agricultural Education IX (Practice Teaching) | 4 (0-8) |
| Graduation Thesis | 1 (1-0) |

Spring Term:

| | |
|---|---------|
| English XII | 3 (3-0) |
| Agricultural Education VIII (Agr'l Journalism) | 3 (3-0) |
| Agricultural Education VII (Methods of Teaching) | 5 (5-0) |

*The figures following a course indicate the number of credits assigned to it. The figures in parenthesis show the hours of lecture or recitation and the laboratory hours per week.

| | |
|---|---------|
| Agricultural Economics IV (Farm Management) | 4 (4-0) |
| Graduation Thesis | 1 (1-0) |
| Animal Industry X (Dairy Herd Management) | 4 (2-4) |

DESCRIPTION OF COURSES

The figures following a course indicate the number of credits assigned to it. The figures in parenthesis show the hours of lecture or recitation and the laboratory hours per week.

216 term hours or 144 semester hours are required for graduation.

AGRICULTURAL ECONOMICS AND FARM MANAGEMENT

1. AGRICULTURAL ECONOMICS—Winter. 4 (4-0)—(Sophomore.)

A general course taking up the economic and social problems of agriculture; importance of agriculture in the United States, demand and supply; labor, machinery, equipment, rural credits, transportation problems, price fluctuation, speculation, land tenure, rent and systems of renting, county agent and farm bureau, state aid, taxation, productive tariff, foreign competition, principles of marketing and the world's food supply.

- II. MARKETING—Winter. 3 (3-0).

Prerequisite: Agricultural Economics I.—(Junior).

A study of the profitable distribution of farm products. The services of the middlemen are examined; the requirements of the markets and the appliances used by middlemen are given consideration. Cooperative marketing is included.

- III. FARM ACCOUNTING—Fall. 4 (2-4).

Prerequisite: Agricultural Economics I, II.—(Senior).

A study of all forms of farm records; farm inventories, cash accounts, single enterprise cost accounts, complete farm cost accounting system and miscellaneous records. Special emphasis will be given to the interpretations of results and their practical application in the management of the farms.

- IV. FARM MANAGEMENT—Spring. 4 (4-0).

Prerequisite: This course is open only to all students who have finished all work below the senior year.

A study of the principles involved in the choice of a proper type of farm; comparative merits of intensive and extensive farming; relation of livestock to farm management; size of farms and the amount of capital in relation to profits; labor in relationship to machinery; and the lay out of fields and buildings.

V. THESIS—Fall, Winter, Spring. 1 (1-0).

Prerequisite: This course is open only to those students who have finished all work below the senior year.

AGRICULTURAL EDUCATION

I. GENERAL PSYCHOLOGY—Fall. 4 (4-0).—(Junior)—(See description of course, Education).

II. EDUCATIONAL PSYCHOLOGY—Winter. 3 (3-0).

Prerequisite: Psychology I.—(Junior).

This course is designed to give the student a knowledge of human traits and tendencies and educational procedure. Consideration is given to instinctive tendencies, habit formation, memory, the learning process and thought process.

III. VOCATIONAL EDUCATION—Spring. 3 (3-0).

Prerequisite: Agricultural Education I, II.—(Junior).

This course deals with the history of agricultural education; types of schools; the rural school; the consolidation of schools; the agricultural college; prevocational agriculture; and the agencies to promote vocational education.

IV. EXTENSION SERVICE—Spring. 3 (3-0).

Prerequisites: Agricultural Education I, II, III. Agricultural Economics I, II.—(Junior).

A study of the development of the agricultural extension service in the United States with special reference to the status of this service among the Negroes in the Southern States; also a study of the rules, regulations and special methods relative to this work in North Carolina.

V. RURAL SCHOOL ADMINISTRATION—Spring. 5 (5-0).

Prerequisites: Agricultural Education I, II.—(Junior).

A study of the principles that govern the organization of secondary education with special reference to the rural situation. Attention will be given to such problems as the func-

tions of the various units of school control, the tenure of the teacher, sources of school funds, methods of distributing them, state regulations, budget making, adapting the school to the needs of the community.

VI. RURAL SOCIOLOGY AND LEADERSHIP—Fall. 3 (3-0).—(Senior).

The social problems of county life; isolation of rural communities; movement of the people to the city; social activities; agencies for the improvement of rural life: the school, the church and other institutions and organizations.

VII. METHODS OF TEACHING VOCATIONAL AGRICULTURE—Spring. 5 (5-0).

Prerequisite: This course is open only to students who have completed all of the work below the senior class.

The following topics are considered: The Smith-Hughes Act; the agricultural curriculum; seasonal sequence of topics; lesson plans; supervised study; laboratory work; field trips; room and equipment; supervised practical work; records; organizing and conducting short unit, part-time, evening and all-day classes; conducting farm shop practice; making community surveys; making annual plans and programs of work.

VIII. AGRICULTURAL JOURNALISM—Spring. 3 (3-0).

Prerequisites: All work below senior class.

Theoretical and practical work in recognizing, gathering and writing news. Students will be required to prepare copy for press.

IX. PRACTICE TEACHING—Winter. 4 (0-4).

Prerequisite: All work below senior class, winter term.

During the winter term the seniors will be expected to do directed teaching in an approved school. They will be required to hand in daily lesson plans and will report on how these work out. This course calls for observation of teaching as well as directed teaching.

AGRONOMY

I. FIELD CROPS—Fall. 5 (4-2).—(Freshman).

A study of the modern methods of selecting, planting, cultivation and harvesting common field crops.

II. FORAGE CROPS—Winter. 5 (4-2).—(Freshman).

A study of the forage plants of economic importance adapted to our soil and climatic conditions. The crops are considered from standpoint of pasture crops, hay crops and soil improving crops.

III. SOILS AND FERTILIZERS—Spring. 4 (3-2).

Prerequisites: Chemistry I, II, III, IV.—(Sophomore).

A course dealing with the proper care and management of the soils in their relation to fertility and crop production, the composition and preservation of barnyard manure, the source of fertilizer constituents, their physical and chemical properties and their effect upon the soil and plant.

IV. CROP DISEASES—Fall. 4 (3-2).

Prerequisites: Botany I, II; Chemistry I, II, III; Agronomy I, II.—(Senior).

The important plant diseases which affect the crop plants of the south. A study of the symptoms exhibited by the host plant, the casual organism, and the control measures.

ANIMAL INDUSTRY

DAIRY AND POULTRY HUSBANDRY

I. TYPES AND BREEDS—Winter. 4 (3-2).—(Freshman).

A study of the types and breeds of farm animals. A course covering the history, development and characteristics of farm animals.

II. ANIMAL NUTRITION—Winter. 4 (3-2).

Prerequisites: Farm Math., Chemistry I, II, III.—(Sophomore).

A study of the general principles of nutrition as applied to live stock, composition of feed stuffs, comparisons and use of feeding standards, calculating rations, methods of feeding for economic production.

III. DISEASE OF FARM ANIMALS—Spring. 4 (3-1).—(Sophomore).

A general consideration of the causes, prevention and treatment of diseases of farm animals; and the manner of spread; disinfectants and their application; general hygiene and stable sanitation; including drainage and selection of site.

IV. STOCK JUDGING—Fall. 3 (1-4).

Prerequisites: Animal Husbandry I, III.—(Junior).

This course is designed to acquaint the students with the types and breed characteristic of farm animals, by use of the score card, comparative judging and the selection of breeding stock.

V. ANIMAL BREEDING—Spring. 3 (3-0).

Prerequisite: Chemistry I, II, III; Zoology I; Animal Husbandry I, II, III, IV.—(Junior).

The principles of animal breeding, variation, heredity, related phases of reproduction bearing on the breeding industry and approved methods of practice.

VI. GENERAL PROBLEMS OF POULTRY—Fall. 4 (3-2).—(Required—Junior).

Lectures and recitations on the origin and development of types, breeds and varieties of fowl; ducks, geese and turkeys; the general care, feed and management of farm poultry; marketing of poultry products. Laboratory exercises include practice in poultry management, poultry judging, culling and preparation of poultry products for market.

VII. INCUBATION AND BROODING—Winter. 3 (1-4).

Prerequisites: Animal Industry VI.—(Junior).

The purpose of this course is to develop the ability to successfully conduct the hatching of eggs and learn the principles and practices of brooding. Each student is required to run successfully an incubator.

VIII. PRINCIPLES OF MILK TESTING—Fall. 4 (1-6).

Prerequisites: Chemistry I, II, III; Farm Mathematics.—(Sophomore).

A careful study of the composition of milk; the Babcock test, various acid tests; the lactometer and its use; rennet tests, detection of preservatives and impurities; practical problems in dairy mathematics.

IX. MANUFACTURING OF DAIRY PRODUCTS—Winter. 4 (2-4).

Prerequisite: Animal Industry VIII.—(Junior).

A study of the market milk business; the manufacture of butter, ice cream and soft cheese; organization, construction, equipment, operation and accounting.

X. DAIRY HERD MANAGEMENT—Spring. 4 (2-4).

Prerequisites: Animal Industry I, II, III, IV, V, VIII.—(Senior).

A course in feeding and management of the dairy herd. It includes a study of pedigree, handling test cows, advanced registration, fitting animals for show and sale.

BIOLOGICAL SCIENCES

BACTERIOLOGY, BOTANY AND ZOOLOGY

BACTERIOLOGY I. (General)—Fall. 4 (3-2).—(Junior).

The work in this course includes the preparation of the usual culture media and the study of the morphological and biological characteristics of typical bacteria. A study of the relation of bacteria to health and immunity will be considered.

BACTERIOLOGY II. (Agricultural)—Winter. 4 (3-2).

Prerequisite: Bacteriology I.—(Junior).

A study of the physiological process of bacteria and moulds which have to do with manufacture of various dairy products. A systematic study of the micro-organisms which inhabit the soils, etc.

BOTANY I. (General)—Fall. 4 (3-2).—(Freshman).

Designed to give a general knowledge of the elementary facts and fundamental principles of botany, and to supply the foundation upon which rest certain phases of applied botany, such as agronomy and horticulture.

BOTANY II. (General)—Spring. 4 (3-2).—(Freshman).

A continuation of the study of general botany as described in course I.

BOTANY III. (Plant Physiology)—Fall. 4 (3-2).

Prerequisites: Botany II, Chemistry III.—(Junior).

The plant is considered from the standpoint of its activities; absorption and transportation of raw materials; manufacture, transportation and storage of food; growth; and movement in response to stimuli.

ZOOLOGY I. (General)—Fall. 5 (4-2).—Sophomore.

A study of the structure, functions, relations and evolution of types of invertebrates and vertebrates.

ZOOLOGY II. (Economic Entomology)—Spring. 5 (3-4).

Prerequisite: Zoology I.—(Sophomore).

The identification, life history, habits and methods of controlling insects of economic importance to the farm and home. Laboratory work will also include identification, collecting, mounting and preserving insects studied.

CHEMISTRY

I. GENERAL CHEMISTRY—Fall. 5 (3-4).—(Freshman).

A course in General Chemistry covering fundamental principles of chemistry and the properties, reactions and uses of the various non-metallic elements and their compounds.

II. GENERAL CHEMISTRY—Winter. 5 (3-4).

Prerequisite: Chemistry I.—(Freshman).

A continuation of Chemistry I, covering further study of the principles of chemistry, including gas laws, acids, bases and salts, ionization and chemical calculations and problems. Study of the alkali metals and their properties.

III. GENERAL CHEMISTRY—Spring. 5 (3-4).

Prerequisites: Chemistry I and II.—(Freshman).

Completion of work in general chemistry with a detailed study of the metals and their compounds; advanced principles of chemistry, including equilibrium, periodic law, etc. Study of rare elements and carbon compounds. Problems in chemistry.

IV. QUALITATIVE ANALYSIS—Fall. 5 (2-6).

Prerequisites: Chemistry I, II and III.—(Sophomore).

A course in Qualitative Chemical Analysis. The study of the various reactions of the metals. Study of the various reactions of the acids. A combined study of and detection from the knowledge derived from reactions, study of both metals and acid radicals. Systematic qualitative chemical analysis. Determination of unknown compounds.

V. AGRICULTURAL ORGANIC—Winter. 5 (3-4).

Prerequisite: Chemistry IV.—(Sophomore).

A course in theoretic and practical organic chemistry. The study of the theory and reactions of various organic compounds. This course is specially designed along agri-

cultural lines without detracting from its value as a purely organic chemistry course.

VI. ADVANCED AGRICULTURAL ORGANIC—Spring. 5 (3-4).

Prerequisite: Chemistry V.—(Sophomore).

A course in Agricultural Organic Chemistry. The study of various organic compounds of agricultural origin. Study of plant and animal compounds, reactions, etc.

HORTICULTURE

I. VEGETABLE GARDENING—Spring. 5 (2-6).—(Freshman).

The general principles of vegetable production are studied. Consideration is given to locations, sites, soils, crops, varieties, garden planning and planting.

II. LANDSCAPE AND GREENHOUSE INDUSTRY—Winter. 5 (3-4).

Prerequisites: Botany I and II; Horticulture I.—(Sophomore).

A study of the principles of the art, the general problems of the work, the treatment of walks, drives, lawns, grouping and designing. Attention is also given to the location, capital required, and opportunities in floriculture and vegetable forcing, greenhouse construction, and a thorough consideration of common greenhouse crops, including vegetables and ornamental plants.

III. PRINCIPLES OF FRUIT GROWING—Spring. 4 (3-2).

Prerequisites: Botany I and II; Agronomy III.—(Junior).

A course including the selection of orchard sites, choosing varieties, planting, pruning, fertilizing, cultivating, spraying, harvesting, grading and storing of fruits most commonly grown in the south.

IV. SMALL FRUITS—Fall. 3 (2-2).

Prerequisites: Botany I and II; Agronomy III.—(Senior).

A study of the propagation, varieties, soil preferences, planting, cultivation, fertilizing, spraying and harvesting of small fruits of importance in North Carolina.

RURAL ENGINEERING

I. FARM MATHEMATICS—Fall. 4 (4-0).—(Freshman).

This course has for its basis the application of mathematics to agriculture and the related sciences.

II. FARM MACHINERY—Winter. 4 (2-4).—(Freshman).

A study of machinery used on the farm, farm power. Demonstrations and tests are made with various machines and implements.

III. FARM DRAINAGE AND ROAD BUILDING—Spring. 4 (2-4).

Prerequisite: Farm Mathematics.—(Freshman).

The beneficial effects of drainage on soils and farm crops and other advantages, as well as topography, leveling and mapping for drainage systems with construction methods and cost. The location, design, construction and maintenance of farm roads, materials used in road building.

IV. FARM STRUCTURES—Fall. 4 (1-6).—(Sophomore).

A study of the farmstead group, including mechanical drawing, arrangement, floor plans, types of construction, bill of materials, and specifications. The student is given an opportunity to work out practical problems.

DEPARTMENT OF MECHANIC ARTS
BUILDINGS AND EQUIPMENT

The Mechanics Arts Department is located in five buildings. The main building of this group is a two-story brick structure with basement. On the first floor are located the shoe shop, carpenter shop, machine shop, and tailor shop. The second floor contains the drawing and recitation rooms, the photographer's studio, and the department office. In the basement are located the brick shop, the lighting and plumbing shop, and the machine woodworking shop.

Separate buildings house each of the following industries: blacksmithing, broommaking, and auto mechanics.

A central heating plant has been built which furnishes students an opportunity to study the operation of the most modern steam and power plant. This plant is housed in a new brick building in which is also located the college laundry.

The Department Library carries a good line of current periodicals and reference books which are available to students in this department.

Drawing Room equipment consists of tables and drawing boards. Students must provide themselves with all other requisites. A number of these can be purchased from the college at cost.

The equipment of the different shops in the department is good. These shops are well equipped for efficient instruction and production.

COURSES

The courses offered by the Mechanical Department have been revised with the aim of arranging courses of collegiate grade foremost in mind. Courses offered are as follows: Building Construction, Automotive Engineering, and Power Plant Management. Students above high school rating may take other courses, but no degree will be conferred upon the completion of such courses.

CURRICULUM OF DEGREE COURSES OFFERED BY MECHANICAL DEPARTMENT

AUTOMOTIVE ENGINEERING

Freshman

| SUBJECT | Term Hours | | |
|--------------------------|------------|--------|--------|
| | FALL | WINTER | SPRING |
| English | 5 | 5 | 5 |
| Mathematics | 5 | 5 | 5 |
| Chemistry | 5 | 5 | 5 |
| Foreign Language | 4 | 4 | 4 |
| Mechanical Drawing | 3 | 3 | 3 |

Sophomore

| | | | |
|-------------------------------|---|---|---|
| English | 5 | 5 | 5 |
| Psychology | 4 | 0 | 0 |
| Analytical Mechanics | 3 | 3 | 3 |
| Physics | 5 | 5 | 5 |
| Elements of Electricity | 3 | 3 | 3 |
| Mechanical Drawing | 2 | 2 | 2 |
| Forging | 0 | 1 | 1 |
| Analytical Geometry | 0 | 3 | 3 |

Junior

| SUBJECT | Term Hours | | |
|--------------------------------------|------------|--------|--------|
| | FALL | WINTER | SPRING |
| Economics | 3 | 3 | 3 |
| Strength of Materials | 3 | 3 | 0 |
| Mechanisms | 0 | 0 | 3 |
| Theory of Fuels | 3 | 0 | 0 |
| Internal Combustion Engines | 0 | 3 | 3 |
| Direct Current Apparatus | 5 | 0 | 0 |
| Direct and Alt. Current Apparatus .. | 0 | 5 | 0 |
| Machine Shop Practice | 3 | 3 | 0 |
| Auto-Mechanics Laboratory | 0 | 0 | 4 |
| Trade Analysis | 3 | 0 | 0 |
| Education Psychology | 5 | 3 | 0 |
| Organization | 0 | 0 | 3 |
| Electrical Power Measurements | 0 | 0 | 3 |

Senior

| | | | |
|--|---|---|---|
| Mechanics of Materials | 0 | 3 | 0 |
| Heating and Ventilation | 3 | 0 | 0 |
| Estimates and Specifications | 0 | 0 | 3 |
| Automotive Construction and Operation | 3 | 3 | 0 |
| Automotive Design | 0 | 3 | 3 |
| Principles of Management | 0 | 3 | 3 |
| Mechanism | 3 | 0 | 0 |
| Industrial Education | 3 | 3 | 3 |
| Thesis | 0 | 0 | 3 |

BUILDING CONSTRUCTION

Freshman

Same as for Automotive Engineering.

Sophomore

Same as for Automotive Engineering.

Junior

| | | | |
|-----------------------------|---|---|---|
| Economics | 3 | 3 | 3 |
| Strength of Materials | 3 | 3 | 0 |
| Lighting and Wiring | 0 | 0 | 3 |

| SUBJECT | Term Hours | | |
|------------------------------|------------|--------|--------|
| | FALL | WINTER | SPRING |
| Architectural Drawing | 4 | 4 | 4 |
| Bricklaying | 3 | 3 | 0 |
| Lighting and Plumbing | 0 | 0 | 3 |
| Trade Analysis | 3 | 0 | 0 |
| Educational Psychology | 0 | 3 | 0 |
| Organization | 0 | 0 | 3 |

Senior

| | | | |
|------------------------------------|---|---|---|
| Building Sanitation | 3 | 0 | 0 |
| Contracts | 0 | 3 | 0 |
| Elementary Surveying | 0 | 0 | 5 |
| Heating and Ventilation | 3 | 3 | 0 |
| Estimates and Specifications | 0 | 0 | 5 |
| Carpentry | 4 | 4 | 4 |
| Achitectural Drawing | 4 | 4 | 4 |
| Industrial Education | 3 | 3 | 3 |

POWER PLANT MANAGEMENT

Freshman

Same as for Automotive Engineering.

Sophomore

Same as for Automotive Engineering.

Junior

| | | | |
|-----------------------------------|---|---|---|
| Economics | 3 | 3 | 3 |
| Strength of Materials | 3 | 3 | 0 |
| Mechanism | 0 | 0 | 3 |
| Hydraulics | 3 | 3 | 0 |
| Internal Combustion Engines | 0 | 0 | 3 |
| Machine Shop Practice | 5 | 5 | 5 |
| Trade Analysis | 3 | 0 | 0 |
| Educational Psychology | 0 | 3 | 0 |
| Organization | 0 | 0 | 3 |

Senior

| | | | |
|-----------------------------------|---|---|---|
| Power Plants | 3 | 3 | 3 |
| External Combustion Engines | 3 | 0 | 0 |
| Steam Power Measurements | 0 | 3 | 0 |
| Electric Power Measurements | 0 | 0 | 3 |

| SUBJECT | Term Hours | | |
|--------------------------------------|------------|--------|--------|
| | FALL | WINTER | SPRING |
| Direct Current Apparatus | 5 | 0 | 0 |
| Direct and Alt. Current Apparatus .. | 0 | 5 | 0 |
| Lighting and Wiring | 0 | 0 | 3 |
| Machine Shop Practice | 4 | 4 | 4 |
| Industrial Education | 3 | 3 | 3 |
| Design | 0 | 0 | 3 |

DESCRIPTION OF COURSES

Contracts:—Engineering relations, the law of contracts, buildings and technical clauses used in specifications.

Architectural Drawing:—Lettering, elements of architecture, rendered order and sketch problem, original design.

Mechanical Drawing:—Lettering, projection, machine sketching, working drawings, plates, tracings, blue printing.

Elements of Electricity:—Fundamentals of electric power transmission, and the utilization of alternating and direct current machinery.

Alternating Current Apparatus:—Generators and motors, transformer, distribution systems.

Direct Current Apparatus:—Generators, motors, distribution circuits, storage batteries.

External Combustion Engines:—Study of engines in which combustion takes place outside of cylinder.

Internal Combustion Engines:—Study of engines in which combustion take place within the engine itself.

Estimates and Specifications:—General and special clauses; practice in writing several sets; relations of the owner, architect, and builder.

Forging:—Brazing, welding, heat treatment of steel.

Fuels:—Fuel inspection, gas analysis, calorific values, efficiencies.

Heating and Ventilation:—Steam boilers and water heaters, direct and indirect heating, gravity systems, district heating, ventilation and air analysis, air conditioning.

Hydraulics:—Hydrostatics and the flow of liquids over weirs, through orifices, pipes and open channels are considered.

Lighting and Wiring:—Electric lamps and other illuminants, and their effective use; interior wiring; methods of distribution; fusing; Underwriters' rules.

Mathematics:—Two terms of college algebra, one of trigonometry.

Strength of Materials:—Elastic curves of beams, centroids and inertia of areas, reinforced concrete beams and columns, tests of materials.

Analytical Mechanics:—Force systems, equilibrium, centroids, and centers of gravity, friction, kinematics.

Mechanics of Materials:—Mechanics of materials, properties and requirements for materials of construction, specifications and standard tests.

Electric Power Measurements:—Experiments on motors and generators.

Steam Power Measurements:—Experiments on engines, pumps, boilers, injectors, heating apparatus, and refrigerating machines.

Power Plants:—Boilers and their accessories, power plant economics.

Building Sanitation:—Plumbing, water closets, drains and systems of water supply, sewage disposal.

Elementary Surveying:—Use and care of transit, level, compass, with accompanying appliances.

TRADE SCHOOL COURSES

In addition to the work of collegiate rank just outlined, the Department of Mechanic Arts offers the following trades, now mapped out on the Smith-Hughes basis: Auto mechanics, bricklaying, blacksmithing and wheelwrighting, broommaking, carpentry, cabinet making and upholstering, lighting and plumbing, machine shop practice, photography, shoe repairing, and tailoring.

The trade school provides unit trade courses for persons who desire successful employment in the vocation of their choice. It is on the Smith-Hughes plan and is designed to attract men and boys from the different parts of the state to

engage in the study of trades. Its aim and purpose is to meet the problem of training men and boys in the practice and theory of the various trades and to prepare them to work as mechanics. It is not intended that those who enter the trade school should become technical engineers or highly trained foremen, but sufficient technical training will be given to enable them to appreciate and carry out the intent and purpose of these courses. There may be those, however, who are specially adapted that will naturally aspire to foremanships.

ENTRANCE REQUIREMENTS

Boys who are between fourteen and twenty years of age and have completed the seventh grade of a grammar school, or its equivalent, will be admitted to any trade course for which they are adapted.

Boys over twenty-one years of age will be admitted to any trade course for which they are adapted. No educational qualifications will be required.

Tradesmen who desire advanced instruction in their trades or parts of their trades may take the same during their dull seasons when such courses may be arranged for them.

The trade school will be opened to boys who desire part time trade preparatory and part time trade extension courses.

The trade school will be opened for evening industrial school to tradesmen who wish to increase their vocational efficiency.

OUTLINE COURSES OF STUDY

The following is an outline of related and non-vocational subjects to be pursued by those who enter the trade school, providing they have had sufficient schooling to permit them to do so. Those whose educational qualifications are lower or higher than the suggested courses will be given studies to meet their needs.

The length of time required to complete a trades course will depend upon the kind of trade and the ability of the individual taking that trade.

Not less than one nor more than three years will be required to do a trade. The time, as stated above, depends upon its degree of difficulty and the ability of the student.

*First Year**Fall Term:*

| SUBJECTS | TERM HOURS |
|----------------------------|------------|
| Arithmetic (Related) | 5 |
| English | 5 |
| Community Civics | 5 |
| Shop work | 20 |
| | <hr/> |
| Total | 35 |

Winter Term:

| | |
|---------------------------------------|-------|
| Arithmetic (Related) | 5 |
| Beginners drafting (Elementary) | 4 |
| English | 5 |
| Community Civics | 3 |
| Shop Work | 20 |
| | <hr/> |
| Total | 37 |

Spring Term:

| | |
|-----------------------------|-------|
| Mathematics (Related) | 5 |
| Beginners Drafting | 2 |
| English | 5 |
| American History | 3 |
| Shop Work | 20 |
| | <hr/> |
| Total | 35 |

*Second Year**Fall Term:*

| | |
|------------------------------------|-------|
| Mechanical Drawing (Related) | 2 |
| Trade Theory | 2 |
| Mathematics (Related) | 4 |
| English | 4 |
| American History | 3 |
| Shop Work | 20 |
| | <hr/> |
| Total | 35 |

Winter Term:

| | |
|------------------------------------|---|
| Mechanical Drawing (Related) | 2 |
| Mathematics (Related) | 4 |

| SUBJECTS | TERM HOURS |
|-----------------------------------|------------|
| Trade Theory | 4 |
| English | 4 |
| Social Science (Elementary) | 3 |
| Shop Work | 20 |
| | <hr/> |
| Total | 35 |

Spring Term: Second Year

| | |
|-----------------------------------|-------|
| Drawing, Mechanical | 2 |
| Algebra | 4 |
| Trade Theory | 2 |
| English | 5 |
| Social Science (Elementary) | 4 |
| Shop Work | 20 |
| | <hr/> |
| Total | 37 |

Fall Term: Third Year

| | |
|---------------------------|-------|
| Drawing, Mechanical | 2 |
| Algebra | 4 |
| Trade Theory | 2 |
| English | 5 |
| Physics | 4 |
| Bookkeeping | 3 |
| Shop Work | 20 |
| | <hr/> |
| Total | 40 |

Winter Term:

| | |
|-----------------------------|-------|
| Drawing | 2 |
| Geometry | 4 |
| Strength of Materials | 2 |
| English | 4 |
| Bookkeeping | 3 |
| Physics (Applied) | 4 |
| Shop Work | 20 |
| | <hr/> |
| Total | 39 |

Spring Term:

| | |
|---------------|---|
| English | 4 |
| Drawing | 2 |

| SUBJECTS | TERM HOURS |
|----------------------------|------------|
| Geometry | 3 |
| Strength of Material | 2 |
| Chemistry (Applied) | 3 |
| Industrial History | 4 |
| Shop Work | 20 |
| Total | 38 |

A BRIEF DESCRIPTION OF COURSES

DRAFTING

Students in all trades will be given beginners' drafting. The proper use of drafting instruments, freehand lettering and sketching will be taught. Students in each trade will be taught drawing as applied to their particular trades.

MATHEMATICS

The courses in mathematics are designed to meet the needs of all students. Those who have sufficient training in mathematics will be given instruction as it applies to the grade problems. Those who have had no training in arithmetic and those who have been out of school for some time will be given elementary arithmetic to determine their needs, and instruction will be given accordingly.

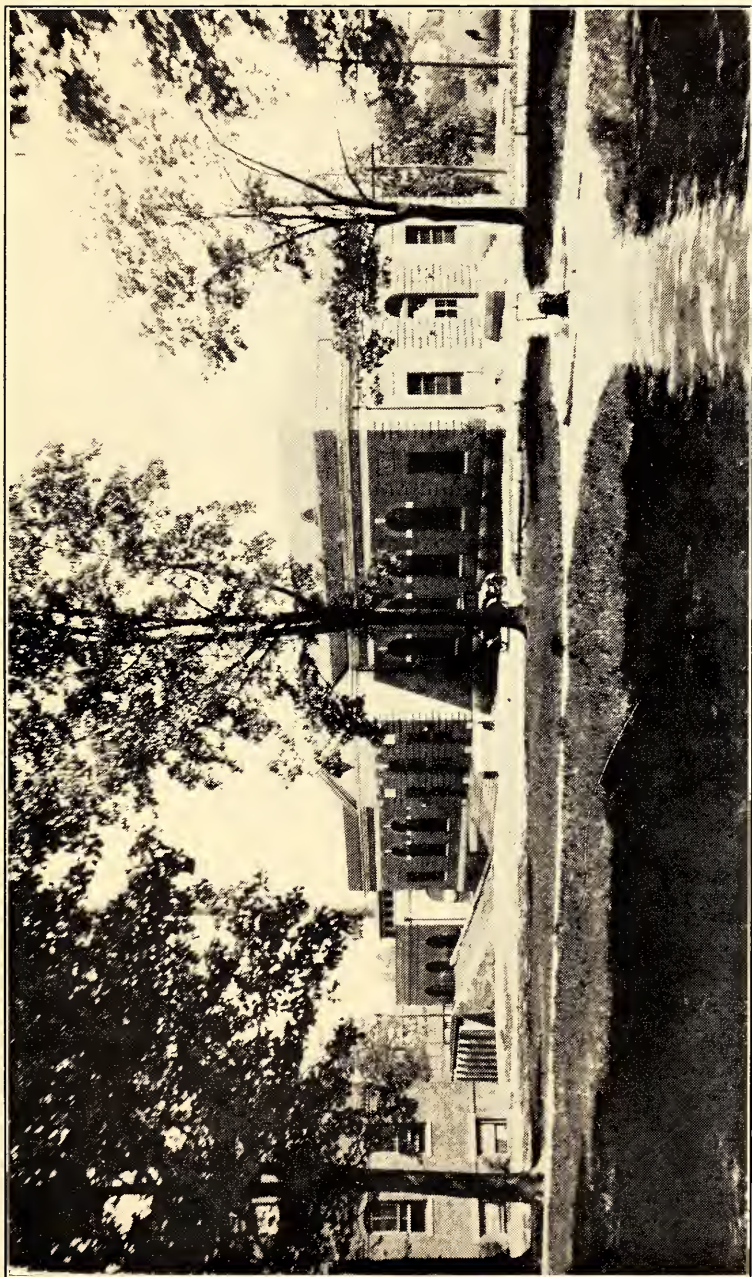
ENGLISH

The tradesman will be taught to analyse a subject and to otherwise express himself intelligently on matters pertaining to his trade, business and social career. The course includes the writing of business letters, sentence structure, punctuation and paragraphing. Attention will be given to the study and writing of simple contracts, proposals, bids and specifications.

APPLIED SCIENCE

The aim of this course is to give the student an elementary knowledge of the principles of physics and chemistry.

Applied Physics:—The tradesman will make a study of weights and measures, mechanical advantages of levers, brackets, wheels and axles, inclined planes, crowbars and outriggers as applied to scaffolds, pulleys, derricks, hoists, etc. Practical experiments will be made.



MURPHY HALL



MORRISON HALL

Applied Chemistry:—A study of chemistry as applied to the trades will include the properties of materials, such as woods, stones, cement, brick and plaster. Chemical properties of metals; effects of air, moisture, acid, etc., on tin, lead, copper and iron.

Strength of Materials:—Devices for testing the materials used in the different trades will be used. The study will include testing for strength of good and faulty timber, glues and glued joints with reference to various kinds of wood, cross and end grains and the effect of temperature and pressure in making glued joints. The holding power of screws and nails properly and improperly driven will be studied.

HISTORY AND CIVICS

The purpose of this course is to give the tradesmen some knowledge of his home town, state and country. Its prime object, however, is to make him intelligent on the laws and government, and his relation thereto, especially in his own community, with a view of making him a law abiding citizen; and that he may easily adjust himself to society and appreciate his responsibility to it.

TRADE HISTORY

In order that the tradesmen may better appreciate their trades brief lectures of the origin, history and progress of the trades will be given from time to time by the instructors of the several trades.

BOOKKEEPING

The purpose of this course is to enable the tradesman to keep cost accounts, acquaint him with simple business rules and regulations in order that he may be able to look after his own business affairs, especially those which have to do with his trade activities.

OUTLINE OF COURSE OF AUTO MECHANICS—

G. B. Love, Instructor

GENERAL MECHANICS

Training Objective: General repairman of reasonable skill and ability.

Length of course: Two years of 9 months each.

Amount of time in shop: Five hours per day.

Previous Education: Sixth to eighth grade with related shop subjects. Second year high school without related shop subjects.

Maximum size of class: 25 students.

Section 1. Bench work (For students without related shop subjects) 240 hours.

Section 2. Chassis and chassis repairs (total 280 hours):

1. Frames and springs, 65 hours.
2. Steering gears and front axles, 45 hours.
3. Rear axles and springs, 125 hours.
4. Lubrication, 20 hours.
5. Tire care and repair, 25 hours.

Section 3. Power system (total 400 hours):

1. Clutches, transmissions, universals, 65 hours.
2. Engine assembly and repair, 120 hours.
3. Lubrication, 20 hours.
4. Cooling system, 40 hours.
5. Fuel system, 150 hours.

Section 4. Starting and Lighting System (total 450 hours):

1. Elementary electricity, 200 hours.
2. Ignition (battery and magneto), 110 hours.
3. Batteries and battery care, 40 hours.
4. Starting motors and generators, 50 hours.
5. Wiring and lighting, 50 hours.

Section 5. Body care and repair (total 60 hours):

1. Washing and polishing the car.
2. Minor repairs to top and upholstery.
3. Repairing doors and removing body squeaks.
4. Removing old and installing new bodies
5. Repairing fenders, hoods, aprons and radiator covers.
6. Repairing dents in the body.

Section 6. Auxiliary apparatus (total 60 hours):

1. Safety devices.
2. Horns.
3. Windshield wipers.

4. Rear view mirrors.
5. Stop lights.
6. Car heaters.

Section 7. Operation and trouble shooting (total 120 hours) :

1. Chassis.
2. Power system.
3. Starting and lighting.
4. Body.
5. Auxiliary apparatus.

Section 8. Shop methods and management (100 hours).

BRICKLAYING AND PLASTERING—B. T. Shelton

The course in bricklaying and plastering requires four years for completion.

Practical instruction in house building, chimney and flue construction, concrete work and kalsomining is given. Working drawings, materials, formulae, technical problems and estimates, are taken up during the regular periods. Lectures covering the above are given at intervals throughout the year.

All models are constructed from blue prints or working drawings.

First Year:

Fall Term—Lectures on mortar and tools, mixing mortar, processes, spreading mortar, rules and formulae, technical terms, straight piers, four-foot walls, corner piers, general helpers, and selecting brick.

Winter Term—Corner pipes, T piers, rough concreting, and study of brick manufacture.

Spring Term—Pointing exercises, kalsomining, sketch drawing, angular piers, and study of areas and cubical contents.

Second Year:

Fall Term—Row lock arches, underpiping, practical talks, estimate and soil testing.

Winter Term—Lathing, single fireplaces, line work with openings for speed and neatness, flues, plastering, window and door settings, and corner raising.

Spring Term—Double fireplaces, plastered walls, working drawings, and technical problems.

Third Year:

Fall Term—Concreting (reinforced). Bonded arches.

Winter Term—Carpentry (work to be given in Carpenter Shop—setting window and door frames, placing joists, etc.).

Spring Term—Blacksmithing, anchor irons, tie rods, stirrup irons and king bolts.

Fourth Year:

Fall Term—White coating and sand finishing, panel and projection exercises, step construction, superintending work, and blue print study.

Winter Term—Gothic and flat arches, three-cornered fireplaces, estimates, specifications and contracts.

Spring Term—Pressed brick exercises and thesis work. Advanced work for students who have covered the regular four-year course. Repair work, supervisions, shop management, review of intricate exercises, white coating, pressed brick exercises, house planning, blue print work, estimates, contracting, and building law.

Students electing this course will pay a shop fee of \$2.50 per term.

BLACKSMITHING AND WHEELWRIGHTING—M. F. Holt

First Year:

The student is first made acquainted with the fundamental operations of the trade through a series of exercises in forging and welding. Each student is required to provide himself with a rule and a notebook.

Second Year:

The student learns the care and use of wood working tools and the kind of joints used in wheelwrighting, also the different woods. Experience is given in operating a drill press, emery wheel and in brazing, tapping, threading bolts, riveting and all kinds of general forge work, such as ironing wagons, buggies, repairing of farm implements, etc. In the latter part of the course the student has practice in forging, welding, hardening and tempering of springs and tool steel.

The several classes of iron and steel, their manufacture and the relation of carbon content and other impurities to the uses of iron and steel are studied, as well as such operations as heating, hardening, tempering and annealing of steel. Problems in calculating the weight of material of different shapes, amount of material needed for particular jobs, problems in strength of bolts, rivets, etc., and estimating costs are considered in the classes in trade mathematics.

Third Year:

Mixing various paints and painting wagons a specialty. Stress is laid on the business side of the trade throughout the course. The forging of small tools used in the shop, such as hammers, tongs, punches, chisels, hardies, fullers, swadgers, etc. Practice is given in putting on channels and rubber tires.

Before a student can begin the regular course in auto mechanics or machine shop practice he must spend at least three months in the blacksmith shop. The aim of the course is to teach the student to make regular and special tools for use in garage work, case hardening and tempering chisels, springs, etc.

If a student wishes to complete the regular blacksmithing and wheelwrighting course it will be necessary for him to spend two years, working four hours each day. Special courses can be provided for.

CARPENTRY—A. D. Lomax

First Year:

A study of the tools used by the carpenter and their care. Exercises in making the various types of joints used by the carpenter. Cutting and placing sills, joist, studs, corner posts, girders, plates, bridging, braces, single and double headers for door and window openings, partitions, headers and trimmers for stairway and chimney openings.

Lectures. Woods, their growth and structure, grading rules, methods and types of framing, the steel square, care and operation of wood working machinery.

Second Year:

Making and placing door and window frames. Interior finishing, such as jobs involving the cutting and placing of casings, bases, mouldings, etc. Covering of inside floors and

walls; hardware. Exterior covering and finishing as shingling, finishing of eaves and gables, siding, sheathing, corner boards, wire for plaster or stucco finish.

Lectures. The finish of floors and interior wood work. Trade terms; various materials used on interior and exterior and finishing; contractors' methods.

Third Year:

STAIR BUILDING

Jobs involving the laying out, cutting and placing of straight run stringers, platform flights, dog leg flights, treads, risers, newels, skirting boards, rails, balusters, etc. Roof framing involving the cutting, placing and nailing of jack, common, valley, and hip rafters. Chimney opening.

Lectures. Blue print reading and estimating.

MANUAL TRAINING OR CABINET MAKING COURSE—

A. D. Lomax

First Year:

Care and use of tools. Making of joints used in cabinet maker's trade. Building talorets, tables, book cases and other pieces involving the use of the various joints. Practice in chair caning. Interpretation of simple cabinet maker's drawings.

Lectures. Furniture, woods, their growth and structure. Grading rules, mill practice, costs.

Second Year:

Wood work continued. Fine and period furniture, veneering, simple carving, wood turning, furniture finishing, rubbing and polishing, mixing of stains, fillers, etc.

Lectures. Furniture construction, finishes, characteristics of period furniture.

Third Year:

Furniture upholstery: Tools and accessories, springing up, pillow and cushions, the pad seat, the hard stitched edge, double stuffing, circular backed chairs, spring back pieces, simple and pleated buttoning, cording, banding, gimping, etc. Overstuffed furniture upholstery, trimming overstuffed pieces.

Lectures. Estimating, classes of fillers and fabrics, springs, the four principal textile weaves, advertising.

COURSE IN ELECTRICITY

Will cover three years for completion, 105 weeks, 700 clock hours per year.

First Year:

Wire joints and splices, bells and enunciators, open wiring, cleat and moulding, concealed wiring, conduit wiring, old and new building. Special wiring.

Second Year:

Installation of instruments.

Plants A. C. and D. C.

Motors A. C. and D. C.

Secondary batteries, transformers, lighting arresters, automatic controls.

Third Year:

Working from blue prints.

City specifications, sketching, safety measures, building specifications, lead wiring, drying and baking coils, bench practice. Instruments.

OUTLINE OF COURSES IN PLUMBING

Two years required to finish course. 105 weeks for course, 700 clock hours per year.

First Year:

Plumber's tools and their uses. Jointing flux used in soldering, solder, fitting for drains, soil waste and vent pipes. Location of traps, location of air inlets, vents, traps, etc. Rain water conductors, method of determining size. Location of water closets, tanks and urinals. Ventilation of water closets, traps, test for drainage system, method of applying.

Second Year:

Sewers and sewage systems. Principles of house drainage, filtration, water supply, etc. Principles of hot water circulation. Pneumatic water supply, ventilating shafts, areas. Air lock causes and prevention.

Third Year:

Methods of supplying country houses by hydrams, pumps, wind mills, etc. Bacterial action in septic tanks. Plumbing systems for hospitals and school. Plumbing systems for mills and factories, plumbing systems for office and store buildings. Plumbing systems for apartment and tenement houses. Correcting defective plumbing plans. Process for obtaining permits, license, etc.

MACHINE SHOP PRACTICE—R. L. Campbell

The machine shop has been enlarged and a large number of machines has been set up for the purpose of instruction and making the necessary repairs on the college equipment.

Fall Term:

First year in shop, elementary work, covering the care of the various machine tools. Simple work on the shaper, and the drill press, laying out work from sketches.

Winter Term:

Continuation of shaper and drill press work, tool grinding, use of measuring instruments, making sketches and transferring them for development on the machines. The lathe is studied at this time and small problems worked out, such as centering, turning straight work, setting gears for thread cutting, etc.

Spring Term:

Lectures and local inspection trips, continuation of lathe work to the point of completion, working out all problems, such as turning tapers, cutting to shoulders, threading difficult pieces, boring tapers, boring to shoulders. The use of special tools on the lathe, the boring bar, drills, draw filing. The uses for the turret attachment and drawing in attachments for the lathe.

SECOND YEAR IN THE SHOP*Fall Term:*

(Advanced Work for Machinist).

Fitting work by micrometer measurements, the shrinking fit, the forced fit, grinding to gauge, making dies for punching machine. The use of the Universal Grinding Machine. The

use of the boring mill, in boring and turning large pieces, boring tapers etc. Handling the punch and shear in steel construction and die work.

Winter Term:

Working out original plans for some machine construction, lectures on modern machine shop practice. Simple problems of the milling machine, surfacing, grooving and slotting, computing and generating gears on the milling machine by the cycloidal and involute methods. General adjustment of machines.

Spring Term:

General resume of work covered in previous terms and checking on the accuracy of results. Making rack and pinion on the milling machine, approved methods. Grinding to plans and selecting abrasive wheels, planning and building some small model machine to comply with A. S. M. E. building code.

Lectures are given weekly on some subject closely related to the outline of the course. A great deal of practical work is done in this shop on the machinery in the various divisions of the college. All of the machine work of the college is done in this shop.

Shop management and superintendence.

OUTLINE OF COURSE IN PHOTOGRAPHY

HISTORY

History of photography, with chemistry and optics relating to the photographic world. Art of mounting and framing commercial photographs, art of tinting, masking and reproducing portraits, art of making copies of portrait and commercial exposures. When and where to open a studio.

LIGHTING AND POSING

Men, women, children, groups and every kind of pet will be used for the students' models. Bust, profiles, three-quarter views, full length figures in sitting, standing and many other reclining positions, are demonstrated. High lights and shadows of a subject practical daily.

COMMERCIAL PHOTOGRAPHY WITH STILL LIFE GROUPS AND VIEWS

Still life objects are interiors, exteriors, furniture statues, photo copies, high buildings, landscapes, sky and cloud effects, flashlights, moon views and paintings.

ART STUDIES

Art studies, fancy posing, lighting, draping and blocking shades in backgrounds.

DEVELOPING

Developing films and plates with metolhydronquinone or substitutes, using "tray developing solutions". Fixing, washing and drying, developing plates with pyrogalic acid, using "tank developing solutions", intensifying negatives and films, reducing negatives and films, local developing by the "Eastman formulas".

RETOUCHING

The photographic principle of retouching photographs, retouching positives with an etching knife, a catel brush and pencil, working backgrounds on negatives, cutting freckles and wrinkles from the face of the negatives and improving the complexion.

PRINTING

Darkroom printing with the artificial light, and the "gas light papers" through the "Standard Printing Machine", using all grades and kinds of papers, the Cyco azo, Artura, Haloid and many other kinds are demonstrated to the students. Printing, using the oval mask and the square mask, is also demonstrated in darkroom printing.

ENLARGING

Enlarging photographs is one of the most interesting branches of photography. One who learns to enlarge feels that it is a straight course in science. The photograph can be enlarged to the size 8 x 10 picture frames or can be reduced for locket, a watch, or life size portrait from any film and plates. The enlargement on paper plates or other material, life size or larger.

TRANSPARENCIES

Making of transparencies and positives, same size, enlarged or reduced and making lantern slide photographs of all kinds.

MOUNTING AND FRAMING

To command the best paid prices, photographs must first be made, mounted and finished artistically. Photography students here are taught this valuable point especially because it weighs so much in the determination of one's success. The students are shown the kind and style of framing to bring out beauty of different subjects, to harmonize colors and shades.

SALESMANSHIP

Any photographer who does not know how to sell his productions is not the man to succeed. He knows nothing about business activities. We teach every student who takes this course how to manage, advertise and build up patronage in the business world.

PREREQUISITE

No student is allowed to enter the photo studio who has not had four units of high school work or the equivalent. A term fee of \$5.00 will be charged each student enrolling in this course.

COURSE OF STUDY OUTLINED

Fall Term:

First year—History and chemistry of photography.

Second year—Studies of art and photo science.

Third year—Transparencies.

Winter Term:

First year—Demonstrations of lighting and posing.

Second year—Retouching and etching.

Third year—Mounting, shaping and framing.

Spring Term:

First year—Commercial groups and views.

Second year—Printing, masking and enlarging.

Third year—Salesmanship and management.

SHOEMAKING—C. DeHuguley*First Year Trade:*

The student first learns the construction of the various kinds of shoes; the method of fastening the parts together—welts, uppers, innersoles, outersoles, felts, stays and all forms and classes of heels. Thread and needles are next studied. The art of twisting and waxing threads, attaching threads to bristles, uses of threads and needles are included in this study. The student is next taught the use of the knife; cutting and fixing soles, stays, heels and uppers; patching; capping; sewing rips; uses of hammer, rasp, buffers, sandpaper and nails; sizes of nails; use of ink, and burnishing and finishing. In addition the student is taught the care and operation of foot-power machinery and its use in sewing rips and patching.

Second Year Trade:

All students having satisfactorily completed their first year course in shoemaking will begin their second year course with the study of leather, its qualities, kinds and treatment. The various kinds of shoes, cloth, rubber, composition, imitations of leather are studied. Emphasis is placed on the repair of the shoes. The various kinds of heels are next studied—wooden heels, aluminum heels, military heels, Cuban heels, Baby Louis heels, French and rubber heels. The student is then taught the fitting of rubber and aluminum heels, and the recovery and fitting of leather heels. The various methods of soling are taken up next—hand sewed soles, machine sewed, tacked and channel nailed. Manipulation and care of power machines, eyelet machines, button machines; making of buttonholes; uses of cements; and the cutting of tongues and vamps and soles, completes the course.

The shop fee is \$3.00 per term.

TAILORING—C. G. Cox

The course in Tailoring covers three years of thorough training in repairing, cleaning, pressing, altering, making of suits and overcoats. The variety of making new garments and in repairing permits arranging and carrying out a course of study which equips a student for such work as is met in commercial life.

The course of study follows:

First Year:

Care of shop and tools. Position on tailor's board. Practice in use of needle, thimble; in overcasting, felling back-stitching, making button holes and machine sewing. Study and classifying materials, practice in making flies, waistbands, straps, flaps for pockets, pockets from drafts, cutting and fitting linings, spacing buttons, application of measurements used in making trousers, joining and finishing uniform trousers, civilian trousers and overalls.

Second Year:

Review. Studying different parts of the vest, making various pockets, collars, facing and working from drafts. Vest making. Vest drafting, studying the various parts of the coat. Cutting and making canvas collars and sleeves. Working from drafts, making facings, foreparts, edges, joining seams, basting, linings and finishing work.

Third Year:

Review of first and second year work. Coat and overcoat making. Studying changes that affect work in citizens' garment making. Work on ordinary citizens' garments continued. Studying grades of material, estimates, cost and quality of materials. Working from drafts. Study of harmony in colors, drapery in garments. Measuring, drafting and cutting the garments studied. Students are required to make a suit to show proficiency. Study of current trade events during the year.

Students in Tailoring pay a shop fee of \$5.00 per term.

DEPARTMENT OF INDUSTRIAL EDUCATION

A TWO-YEAR COURSE FOR TEACHERS OF TRADES AND INDUSTRIES

COURSES OF STUDY

| COURSES | FALL | Credits | |
|-----------------------------|------|---------|--------|
| | | WINTER | SPRING |
| Economics | 3 | 3 | 3 |
| Strength of Materials | 3 | 3 | 0 |
| Mechanisms | 0 | 0 | 3 |

| COURSES | FALL | Credits | |
|--|------|---------|--------|
| | | WINTER | SPRING |
| Introduction to Education | | | |
| (Education 1) | 3 | 0 | 0 |
| Educational Psychology | | | |
| (Education 2) | 0 | 3 | 0 |
| Trade Analysis (Education 3) | 0 | 0 | 3 |
| For the remaining credits elect one of the following groups: | | | |
| Group I. Automotive Engineering | | | |
| Theory of Fuels | 3 | 0 | 0 |
| Internal Combustion | 0 | 3 | 3 |
| Direct Current Apparatus | 5 | 0 | 0 |
| Direct and Alt. Current Apparatus . | 0 | 5 | 0 |
| Machine Shop Practice | 3 | 3 | 0 |
| Auto Mechanics Laboratory | 0 | 0 | 4 |
| Power Measurements (Electrical) .. | 0 | 0 | 3 |
| Group II. Building Construction | | | |
| Lighting and Wiring | 0 | 0 | 3 |
| Architectural Drawing | 4 | 4 | 4 |
| Bricklaying | 3 | 3 | 0 |
| Lighting and Plumbing | 0 | 0 | 3 |
| Group III. Power Plant Management | | | |
| Hydraulics | 3 | 3 | 0 |
| Internal Combustion Engines | 0 | 0 | 3 |
| Machine Shop Practice | 5 | 5 | 5 |

SENIOR

| | | | |
|---|---|---|---|
| Methods of Teaching Shop and Related | | | |
| Subjects (Education 4) | 3 | 0 | 0 |
| Principles of Education (Education 5) | 0 | 3 | 0 |
| Practice Teaching and Observation | | | |
| (Education 6) | 0 | 0 | 1 |
| Vocational Education (Education 7) .. | 0 | 0 | 2 |

For the remaining credits elect one of the following groups:

| | | | |
|---------------------------------|---|---|---|
| Group I. Automotive Engineering | | | |
| Mechanics of Materials | 0 | 3 | 0 |
| Heating and Ventilation | 3 | 0 | 0 |

| | | | |
|---|---|---|---|
| Estimates and Specifications | 0 | 0 | 3 |
| Automotive Combustion and Opera- tion | 3 | 3 | 0 |
| Automotive Design | 0 | 3 | 3 |
| Principles of Management | 0 | 3 | 3 |
| Mechanism | 3 | 0 | 0 |
| Auto Mechanics (Laboratory) | 4 | 4 | 4 |
| Thesis | 0 | 0 | 3 |
| Group II. Building Construction | | | |
| Building Sanitation | 3 | 0 | 0 |
| Contracts | 0 | 3 | 0 |
| Elementary Surveying | 0 | 0 | 5 |
| Heating and Ventilation | 3 | 3 | 0 |
| Estimates and Specifications | 0 | 0 | 5 |
| Carpentry | 4 | 4 | 4 |
| Architectural Drawing | 4 | 4 | 4 |
| Group III. Power Plant Management | | | |
| Power Plants | 3 | 3 | 3 |
| External Combustion Engines | 3 | 0 | 0 |
| Steam Power Measurements | 0 | 3 | 0 |
| Electric Power Measurements | 0 | 0 | 3 |
| Direct Current Apparatus | 5 | 0 | 0 |
| Direct and Alternating Current Apparatus | 0 | 5 | 0 |
| Lighting and Wiring | 0 | 0 | 3 |
| Power Plant Design | 0 | 0 | 3 |

DESCRIPTION OF COURSES

1. INTRODUCTION TO EDUCATION. 3 credits. Required of Juniors. Fall Term. Special attention is given to the aims, means, methods and results of Education, and the conditions set by the laws of human nature.

2. EDUCATIONAL PSYCHOLOGY. 3 credits. Required of Juniors. Winter Term. Special emphasis on human traits, tendencies and educational procedure. Consideration is given to instinctive tendencies, habit formation, memory, the learning and the thought process. The application of psychological principles to teaching is emphasized.

3. IND. ED. TRADE ANALYSIS. 3 credits. Juniors. Spring Term.

The purpose of this course is to give the trade teacher a knowledge of organization of trade courses for instruction. It includes the analysis of the trades into instructional groups and the arrangement of these groups in the order of their learning difficulties. Emphasis is put on the selection of a line of useful and practical projects, writing of operation sheets and preparing of charts to include type of jobs, auxiliary information, trade mathematics, trade drawing and trade science.

4. IND. EDU. METHODS OF TEACHING SHOP AND RELATED SUBJECTS. 3. credits. Fall Term. Seniors. This course deals with the fundamental factors in teaching, agencies of education, class room instruction, and problems in class room management. The preparatory, presentation, class work and dismissal periods discussed.

5. PRINCIPLES OF EDUCATION. 3 credits. Seniors. Winter Term. A study is made of the place of education in the individual and social life, the psychological and sociological foundation, and principles that govern the conduct of the school.

6. PRACTICE TEACHING. 1 credit. Spring Term. Seniors. The purpose of this course it to give information and experience in teaching to those who are planning to become trade teachers. Through the co-operation of the shop instructors and the teacher trainer the student teachers will be given regular classes in their respective shops for practice teaching, and will be required to present lesson plans for each lesson to be taught to the teacher trainer who will supervise their work.

7. VOCATIONAL EDUCATION. 2 credits. Spring Term. Seniors. The purpose of this course is to acquaint the student with the meaning and problems of vocational education; vocational education as it relates to the adjustments, the individual and to society, with emphasis on education for mechanical industries and trades.

COURSE IN HOTEL AND LUNCH-ROOM MANAGEMENT

This course is open to any students who should desire to take it. The aim is to train men to do any phase of hotel work, to operate and manage successfully lunch rooms, cafeterias, etc. The college is making every effort to give to the students who come here a trade of some kind so that when they leave here they will be able to make a living and a desirable citizen. This course can be taken along with the regular High School or College work.

TWO-YEAR COURSE

First Year: COURSE OF STUDY

First Semester: Culinary Art. This course deals with cooking. It includes a study of how to cook fish, oysters, roast. How to cut meat, boil and broil; preparation of soups and entrees, "short orders", omelets, salad making, etc. The art of catering; how to prevent waste, what to do with waste. All important problems in connection with cooking are given a thorough study.

Second Semester: A continuation of the work of the first semester. Special attention will be given to Baking. Process of bread making—making pastries, cakes, pies, etc.

Second Year:

First Semester: The work of the first semester deals more with the principles of management. Special attention is given to the making up of hotel bills-of-fare with all the different varieties of soups and consommés in proper rotation. The arranging and planning of menus, with special reference to varieties.

Second Semester: The second semester is a continuation of the work of the first semester. Emphasis is placed on how to make an attractive dining room; methods of advertising; treatment of guests; proper planning and handling of financial matters; employment of help; care of food material, and all other technical problems connected with the lunch room management.

Completion of this course of study entitles the student to a certificate.

A THREE-YEAR COURSE IN LAUNDERING

In addition to its rapid and splendid growth in the past few years, the college has increased its constituency by establishing a modern and in every way up-to-date Steam Laundry. The plant is built for the purpose of meeting the needs of the students and faculty; but greater than this, however, is the opportunity that it offers to students to receive instruction along the line of Commercial Laundering. Supt. G. E. Powell, a man of 17 years experience in this particular line of work, is in charge of the plant and we are now offering the following three-year course to all prospective students.

COURSE OF STUDY

First Year:

During the first year the student's work will consist of the following: marking and assorting of soiled linen; classifying of various articles in the respect to type; learning how to operate and care for the American marking machine; helping in the work room; learning how to operate and care for the American motor driven extractor; shaking out flat linen; feeding and folding of linen after ironing; learning how to operate and care for the American dry tumbler; operating the sock machine; keeping work and marking room clean and sanitary.

Second Year:

In the second year the student will concentrate his time and effort to the work room and its equipment. The operating of the American work machine will be carried on in the following manner: Use of hot and cold water; taking notice of time consumed in working different kinds of linen; how and when to change water in machine; when to add soap, bleach, and blue; how to cook and use starch correctly.

Third Year:

In the third year the student will be expected to complete the following: Operation of sheet units; finishing of shirts, collars, socks, etc.; folding and classifying of underwear; operating of the American Press Machine; hand ironing of various descriptions; pressing of suits; operation of the

United States Hoffman garment press; assorting and checking out of each individual package, wrapping, sealing, and delivering.

ACADEMIC DEPARTMENT

Recognizing that a college course ought to include not only intellectual training and the knowledge and skill requisite for bread-winning, but also preparation for citizenship, and for moral and social life, the Agricultural and Mechanical Colleges have intertwined their vocational work and study with this department. The subjects offered in the Academic Department are those which most directly make for culture and efficiency. The courses listed below are ranked as of equal importance with the bread winning studies, and are based directly on the work of the four year high school, thus forming an integral part of the school system of the State.

This department offers exceptional advantages to those who wish to take a general cultural course before deciding upon a professional career, to those who wish to become educators and those who wish a general training for citizenship. It also offers an opportunity to those who wish to take a pre-professional course and at the same time get a two-year trade of some kind.

REQUIREMENTS FOR ADMISSION

The satisfactory completion of a four-year course in a secondary school approved by a recognized accrediting agency or the equivalent of such a course as shown by examination will entitle a student to pursue this course.

The student who satisfactorily completes this course will receive the B. S. degree.

COURSE OF STUDY

Fall Term:

FRESHMAN

| | |
|---|----------|
| English I | *3 (3-0) |
| Mathematics I | 4 (4-0) |
| Biology I | 4 (3-2) |
| History I (Modern European History) | 3 (3-0) |
| Military Science | 2 (1-2) |

*The figures following a course indicate the number of credits assigned to it. The figures in parenthesis show the hours of lecture or recitation and the laboratory hours per week.

Electives:

| | |
|-------------------------|---------|
| German I | 5 (5-0) |
| French I, II, III | 5 (5-0) |
| Music I | 2 (2-0) |

Winter Term:

| | |
|---|---------|
| English II | 3 (3-0) |
| Mathematics I | 4 (4-0) |
| Biology I | 5 (3-2) |
| History I (Modern European History) | 3 (3-0) |
| Military Science | 2 (1-2) |

Electives:

| | |
|----------------------------|---------|
| German I | 5 (5-0) |
| French I, II, or III | 5 (5-0) |
| Music I | 2 (2-0) |

Spring Term:

| | |
|---|---------|
| English III | 3 (3-0) |
| Mathematics I | 4 (4-0) |
| Biology I | 5 (3-2) |
| Military Science | 2 (1-2) |
| History I (Modern European History) | 3 (3-0) |

Electives:

| | |
|---------------------------|---------|
| German I | 5 (5-0) |
| French I, II or III | 5 (5-0) |
| Music I | 2 (2-0) |

SOPHOMORE

Fall Term:

| | |
|---|---------|
| English IV | 3 (3-0) |
| History (U. S. History before 1865) | 3 (3-0) |
| Physics II or Chemistry | 5 (3-4) |
| Psychology I | 3 (2-2) |
| French II or IV | 5 (5-0) |
| Music II | 2 (1-2) |
| Military Science | |

Winter Term:

| | |
|---|---------|
| English V | 3 (3-0) |
| History IIa (U. S. History before 1865) | 3 (3-0) |
| Physics II or Chemistry | 5 (3-4) |

| | |
|-----------------------|---------|
| Psychology I | 3 (2-2) |
| French II or IV | 5 (5-0) |
| Music II | 2 (1-2) |
| Military Science | |

Spring Term:

| | |
|---|---------|
| English VI | 3 (3-0) |
| History IIa (U. S. History before 1865) | 3 (3-0) |
| Physics II or Chemistry | 5 (3-4) |
| Psychology I | 3 (2-2) |
| French II or IV | 5 (5-0) |
| Music II | 2 (1-2) |
| Military Science | |

JUNIOR

Fall Term:

| | |
|------------------------------|---------|
| English VII | 3 (3-0) |
| Sociology I | 3 (3-0) |
| Educational Psychology | 3 (3-0) |

Electives:

| | |
|--|---------|
| Economics I (Principles of Economics) | 3 (3-0) |
| Economics II (Introduction to Study of Statistical Methods) | 3 (1-4) |
| Chemistry | 5 (3-4) |
| Mathematics | 3 (3-0) |
| Agriculture or Mechanics | 4 (3-2) |

Winter Term:

| | |
|--------------------------------|---------|
| English VIII | 3 (3-0) |
| Economics II (Continued) | 3 (3-0) |
| Sociology I | 3 (3-0) |
| Educational Psychology | 3 (3-0) |

Electives:

| | |
|--|---------|
| Economics I (Principles of Economics) | 3 (3-0) |
| Economics II (Introduction to Study of Statistical Methods) | 3 (1-4) |
| Chemistry | 5 (3-4) |
| Mathematics | 3 (3-0) |
| Agriculture or Mechanics | 4 (3-2) |

Spring Term:

| | |
|--------------------------------|---------|
| English IX | 3 (3-0) |
| Economics II (Continued) | 3 (3-0) |
| Sociology I | 3 (3-0) |
| Educational Psychology | 3 (3-0) |

Electives:

| | |
|--|---------|
| Economics I (Principles of Economics) | 3 (3-0) |
| Economics II (Introduction to Study of Statistical Methods) | 3 (1-4) |
| Chemistry | 5 (3-4) |
| Mathematics | 3 (3-0) |
| Agriculture or Mechanics | 4 (3-2) |

SENIOR

Fall Term:

| | |
|-----------------|---------|
| English X | 3 (3-0) |
| Education | 3 (3-0) |

Electives:

| | |
|---|---------|
| Agriculture | 4 (3-2) |
| or | |
| Mechanics | 4 (3-2) |
| History V, U. S. History since 1865 | 3 (3-0) |
| Sociology | 3 (3-0) |
| Political Science | 3 (3-0) |
| Chemistry | 5 (3-4) |
| Physics | 4 (3-2) |

Winter Term:

| | |
|------------------|---------|
| English XI | 3 (3-0) |
| Education | 3 (3-0) |

Electives:

| | |
|---|---------|
| History V, U. S. History since 1865 | 3 (3-0) |
| Agriculture | 4 (3-2) |
| or | |
| Mechanics | 4 (3-2) |
| Political Science | 3 (3-0) |
| Sociology | 3 (3-0) |
| Chemistry | 5 (3-4) |
| Physics | 4 (3-2) |

Spring Term:

| | |
|-------------------|---------|
| English XII | 3 (3-0) |
| Education | 3 (3-0) |

Electives:

| | |
|---|---------|
| History V, U. S. History since 1865 | 3 (3-0) |
| Agriculture | 4 (4-0) |
| Political Science | 3 (3-0) |
| Mechanics | 4 (4-0) |
| Sociology | 3 (3-0) |
| Chemistry | 5 (3-4) |
| Physics | 4 (3-2) |

DESCRIPTION OF COURSES**ECONOMICS****THE PRINCIPLES****COURSE 1.**

This course is designed to acquaint the student with the general principles of the Science. The following topics will receive special attention: The character of the present economic system; the evolution of economic society; production and consumption; the kinds and nature of wealth; transportation, insurance and agricultural problems.

Elective for Sophomores, Juniors and Seniors.

3 credits: 1 lecture, 2 recitations.

COURSE 2.

Rural Economics. Special attention will be given to the beginning of Agriculture and its development, especially in the United States. Farm management, the factors of agricultural development, marketing, co-operative organization, the federal loan banks and price fixing by federal authority will be considered.

Elective for Juniors and Seniors.

3 credits: 1 lecture, 2 recitations.

COURSE 3.

Sociology. The following topics will be considered: The make-up of the population, social forces, social processes, social products and sociological principles.

Elective for Sophomores, Juniors and Seniors.

3 credits: 3 recitations.

COURSE 4.

Rural Community Sociology. Special attention will be given to the condition and resources of American country life with the purpose of developing community leadership.

Elective for Sophomores and Juniors.

3 credits:

3 recitations.

EC. 3. LABOR PROBLEMS. A study of the history, organization, activities, and policies of organized labor.

The historical setting in Great Britain and the United States; the development of the modern union and the employers' association in structure and in policies; Knights of Labor, American Federation of Labor, the Industrial Workers of the World, and the National Association of Manufacturers.

Trade Union policies; limitation of apprentices, members, and output; the closed shop, trade agreements, strikes, picketing and boycotts, trade union benefit systems.

Recent developments; organized labor and the war, labor turnover, employee representation, the Federal Industrial Conference. Profit sharing; scientific management and co-operation and their bearing upon trade unions.

EC. 4. LABOR LEGISLATION. The study of governmental control of the relations between employers and employees and of the proposal to make provision for accidents, sickness, unemployment, and old age through insurance provided by the action of society.

The basis of labor law, due process of law, the police power, constitutional limitations, equal protection of the laws as they affect labor questions.

Contract labor, peonage, the padrone system; immigration into the United States and restrictive legislation.

Governmental interference in labor controversies, mediation, investigation and arbitration through voluntary and compulsory plans, the experience of Australia and Canada, the Kansas Industrial Court, and the Railway Labor Board. Control of hours through legislation, women and children labor and protective laws; the minimum wage movement, historical development, the experience of American states and constitutional difficulties.

The problem of unemployment, various plans for its prevention, unemployment insurance; industrial accidents, rules

of employers' liability, compensation legislation, and its administration; sickness and the movement for health insurance; old age and dependency, contributory insurance and pension plans.

Class room discussion supplemented with lectures by public officials concerned in the administration of labor legislation.

EC. 5. ELEMENTS OF STATISTICAL METHOD. A course intended to acquaint students with the elementary principles of statistics. The sources and collection of data, the nature of statistical units; the properties and appropriate uses of averages; methods of comparison; the tabular and graphic presentation of statistical information necessary to the formulation and execution of business and economic policies. Practice in applying statistics to specific business and economics problems will be had through use of appropriate data.

EC. 6. AMERICAN GOVERNMENT. A general introductory course in the government of the United States to acquaint the student with the more important facts of the organization and working of federal, state, and local institutions and to give a foundation for more advanced work in government.

The principles of political science: the state, the nation, the government; constitutions, legislatures, executives, cabinets, and courts.

The federal constitution, its sources, principles, and interpretation; organization and powers of Congress, the committee and caucus systems; the powers of the President, his relation to administration and legislation; the executive departments and the cabinet, actual conduct of foreign affairs, taxation and the budget, the army and navy, post office, immigration and naturalization, the public domain; the organization and jurisdiction of the federal courts, the review of legislation.

State constitutions, relation to the federal government; powers and methods of legislatures, governors, and courts; political parties and politics. Organization and function of counties, towns, and villages; the city and its problems.

Government of territories and possessions.

EDUCATION**COURSE 1.**

Secondary Education. A study of the secondary school problems is made. Special attention is given to the following topics: Qualities of the efficient teacher, his relation to the various elements of the community; standing of professional conduct, etc.

Elective for Juniors. Prerequisite, Psychology 2.
2 credits: 2 recitations.

COURSE 2.

History of Education. The relation between the industrial, intellectual, social, philosophic and the religious ideal of the individual and the varying conceptions of aims, methods, curricula and organization of educational agencies will be studied. An attempt will be made to show the origin and evolution of the present theory and practice in education.

Elective for Juniors and Seniors.
3 credits: 3 recitations.

COURSE 3.

The School Principalship. The duties of the principal, his relation to the community, the patrons, board of education, discipline, grading teachers' meetings, educational measurements, etc., will be considered. Elective for Seniors. Lecture, reports and discussions.

2 credits: 2 recitations.

PSYCHOLOGY**COURSE 1.**

Introductory. This course will deal with the psychological bases of human behavior; the nature of psychology; the various senses and their manner of functioning; habit, attention, perception, memory, will, etc.

Elective for Sophomores and Juniors. Fall and Winter Terms.

3 credits: 3 recitations.

COURSE 2.

This course deals with learning processes, sensations, imagination, concepts, reasoning, emotions, etc. Elective for Juniors and Seniors.

Sophomores. Prerequisite Course 1.

COURSE 3.

Adolescent Psychology. This course takes up the development and the physical, intellectual, moral, social and religious nature of the adolescent. The purpose of this course is to develop in the student a clear insight into the youth of high school age. Lectures and discussions and collateral reading will supplement the work. Prerequisite, Courses 1 and 2.

Elective for Seniors.

3 credits:

3 recitations.

EDUCATIONAL PSYCHOLOGY

COURSE 4.

This course is designed to give the student a knowledge of human traits and tendencies and educational procedure. Consideration is given to instinctive tendencies, habit formation, memory, the learning process and thought process. The application of psychological principles to teaching is emphasized.

Winter Term.

3 credit hours.

Juniors.

ENGLISH LANGUAGE AND LITERATURE

Fall Term:

ENGLISH 1.

English Composition. The chief aim of this subject is a thorough review of English Grammar and syntax. Stress will be laid also upon such fundamentals of written composition as punctuation, spelling, choice of words and clearness of sentence structure. Themes and monthly reports will be required.

Required of all Freshmen.

Textbook: Composition for College Students, Thomas, Manchester and Scott.

5 credits:

5 recitations.

Winter Term:

ENGLISH II

A continuation of English 1.

Prerequisite, English 1. Required of all Freshmen.

5 credits:

5 recitations.

Spring Term:

ENGLISH III

This course is designed to help students use their minds most effectively in the important processes of studying, thinking and reading. The chief aim of the course is to orientate the student into college life. Written reports will be required and opportunities for class discussion will be given.

Textbook: The Mind at Work, Lyman.

5 credits:

5 recitations.

Fall Term:

ENGLISH IV

Argumentation and Debating. The aim of this course is to train in accuracy and readiness of thought and speech. Considerable practice will be given in preparing briefs and in oral debates.

Required of Sophomores.

3 credits:

3 recitations.

Textbook: Argumentation and Debating, Foster.

Winter Term:

ENGLISH V

Public Speaking. Special attention will be given to the principles and practice of public speaking. Each student will be given practice in both prepared and extemporaneous speaking upon subjects of educational value.

Required of Sophomores.

Textbook: Public Speaking, Winans.

3 credits:

3 recitations.

Spring Term:

ENGLISH VI

Journalism. This is an introductory course designed to acquaint the student with the field of newspaper work, to teach him facility in the use of written English, and to discover his possible fitness for journalism. The course will include reporting, editing, writing of special feature articles and editorials, and a study of representative American newspapers.

Required of Sophomores.

3 credits:

3 recitations.

Textbooks: Editing the Day's News, Bastian, and Newspaper Reporting and Correspondence, Hyde.

Fall Term:

ENGLISH VII

General Literature. The aim of this course is to offer an opportunity for direct acquaintance with the masterpieces of the several types of literature. The work includes a study of representative selections from the field of poetry, history, biography, oratory and the essay respectively.

Required of Juniors.

3 credits:

3 recitations.

Textbook: Types of Great Literature, Houston and Bounell.

Winter Term:

ENGLISH VIII

Continuation of English 7.

Required of Juniors.

3 credits:

3 recitations.

Spring Term:

ENGLISH IX

This course will trace the development of the English drama from the dramatic tropes before Shakespeare to the present. Lectures, assigned readings, discussions.

Required of Juniors.

3 credits:

3 recitations.

Textbook: The English Drama, Brawley.

Fall Term:

ENGLISH X

Comparative Literature: This course offers a comparative study of the literature of the world to those who desire a general acquaintance with the development of the world literature. Extensive reading of masterpieces in translation.

Elective for Seniors.

3 credits:

3 recitations.

Textbooks: Literature of the World, Richardson and Owen.

Winter Term:

ENGLISH XI

Continuation of English 10.

Elective for Seniors.

3 credits:

3 recitations.

Spring Term:

ENGLISH XII

Technical Writing. The aim of this course is to teach students how to prepare technical or scientific articles and reports.

Elective for Seniors.

3 credits:

3 recitations.

Textbook: Technical Exposition, Thompson.

FOREIGN LANGUAGES

MR. TALMA

FRENCH

COURSE 1.

For beginners. Pronunciation, essentials of grammar, reading and conversation.

Elective. Fall and Winter Terms.

4 credits:

4 recitations.

COURSE 2.

Advanced French. Continuation of Course 1. Reading, grammar, composition and conversation.

Elective. Spring Term.

4 credits:

4 recitations.

COURSE 3.

Composition and conversation. Review of the principles of French Grammar. Practice in reading, writing and conversation.

Prerequisite, Course 2.

Elective. Fall and Winter Terms.

4 credits:

4 recitations.

SPANISH

COURSE 1.

Elementary Spanish. Elements of Grammar. Reading simple stories, conversation and dictation.

Elective. Fall and Winter Terms.

4 credits:

4 recitations.

COURSE 2.

Spanish Prose. Reading, translating, conversation and composition.

Elective. Fall, Winter and Spring Terms.

4 credits:

4 recitations.

COURSE 3.

Advanced Spanish. Reading from Calderon and Cervantes and other Spanish authors. Review of grammar. Composition with special emphasis on commercial usages.

Prerequisite, Course 2.

Elective. Fall, Winter and Spring Terms.

4 credits:

4 recitations.

LATIN LANGUAGE AND LITERATURE

COURSE 1. Livy, Book XXI or XXII.

Elective for students who plan to teach. Fall and Winter Terms.

Spring Term: Cicero's De Senectute.

3 credits:

3 recitations.

COURSE 2.

Horace's Odes and Epodes. This course will be supplemented by Roman History.

Fall, Winter and Spring Terms. Prerequisite, Course 1.

3 credits:

3 recitations.

GERMAN

GERMAN I. During the first year the work comprises:

1. Careful drill upon pronunciation.
2. The memorizing and frequent repetition of easy colloquial sentences.
3. Drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of every-day life, or adjectives, pronouns, weak

verbs and the more usual strong verbs; also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word-order.

4. Abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression.

5. The reading of from 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

HISTORY

MR. MC KINNEY

MODERN EUROPEAN HISTORY

COURSE 1.

This course begins with the decline and fall of the Roman Empire and ends with a discussion of present day problems. It is a general survey of the principal factors in the history of Western Europe. Economic, social, political, religious and intellectual movements are studied in reference to their relations to the development of national states and the growth of democracy and the expansion of Europe. Emphasis is laid on international relationship and on events culminating in the Great War. A theme is required at the close of the course. Robinson, History of Western Europe, is used as a basis of the course and is supplemented by lectures, collateral readings, special reports and map work.

5 credits:

5 recitations.

NEGRO HISTORY

COURSE 5.

This course opens with a brief survey of the African background of the Negro and traces him from Africa to America. It includes a study of his enslavement, with special emphasis on slavery in America, his life on the plantation, the Free Negro before 1860, abolition, and the Civil War with special emphasis on the part played by Negro troops, achievements



NORTH DORMITORY



WINTER SCENE — ENTRANCE TO CAMPUS

since 1865, forces in Negro progress, some problems of the Negro, the part played by him in the World War. Special phases of the Negro are studied together with the forces that are operating to unite the race. Woodson, *The Negro in Our History*, is used as the basis of the course and is supplemented by lectures, collateral readings, examination of sources, preparation of bibliographies, the presentation of papers.

5 credits:

5 recitations.

COURSE 2.

Constitutional History of the United States from 1721 to 1829.

Fall Term.

3 credits:

3 recitations.

COURSE 3.

Constitutional History of the United States from 1829 to 1861.

Elective for Juniors. Prerequisite, 1.

Winter Term.

3 credits:

3 recitations.

COURSE 4.

Constitutional History of the United States 1861 to 1900.

Elective for Juniors and Seniors. Prerequisite, 2.

Spring Term.

3 credits:

3 recitations.

AMERICAN HISTORY

HISTORY II. American History. A general survey of the growth of the American nation, covering the period of discovery and exploration, colonial development and the growth of the West, the Civil War, Reconstruction and a brief summary of recent history. Open to Sophomores, Juniors and Seniors.

HISTORY III. The United States since 1865. Recent and contemporary American history with emphasis on the rise of "big business" and its effect on politics and government, transportation, labor problems, and world politics. Primarily for Juniors and Seniors; open to other students with the consent of the instructor.

MUSIC

MUSIC I. Appreciation of Music. Lectures and private reading. Analytical study of the masterpieces, with special reference to the listener. This course does not presuppose a technical knowledge of music.

MUSIC II. Church Music. History of the music of the Christian church from the first century to the present time. Chants, masses, hymns, anthems, oratorios, cantatas, and organ music. The aim of the course is to acquaint the student with the best sacred music, both ancient and modern.

BIOLOGY

BIOLOGY I. The general principles of biology. An introductory course not requiring previous knowledge of the subject, and giving a survey of the entire animal kingdom with some consideration of theoretical biology. Three lectures and two hours of laboratory work each week.

CHEMISTRY

EQUIPMENT:

The chemical laboratory is well equipped with suitable apparatus and necessary chemicals for the study of general as well as agricultural chemistry.

Among the most expensive apparatus may be mentioned Hoffman's apparatus for decomposition and recomposition of water, fat extraction apparatus, chemical balances, soil analysis apparatus, hot plates, copper, air and water bath, apparatus for analysis of baking powder, water analysis, etc.

In short, the equipment for the department is first-class in every respect, and in some lines it is perhaps second to that of no other institution in the state.

While the equipment for the work in the Physics is not so complete as that in Chemistry, the Department has made and purchased sufficient apparatus to illustrate on the lecture table the more important laws of Physical Science. The equipment consists of a Lever Air Pump with oxidized brass barrel and accessories, an Atwood's Machine, Port Lummere and Stereopticon for projection work, a set of Vacuum and Spectrum Geissler tubes containing residuum gases, Rohmkorff Induction

Coil, a Hoffman's Graduated Edimeter and an assortment of batteries and Leyden jars for induction and distribution of electricity, compound microscopes, pulleys, balances, pumps, sonometer and general assortment of lecture table apparatus. The lecture room can be made dark at any time for illustration with the stereopticon or Port Lummere. The lecture table is fitted with water, gas and electricity.

The department has recently purchased some of the latest apparatus for Soil Physics, which includes a ball bearing balance, 50cc. Flasks with ground glass stoppers drawn out to an open capillary tube for specific gravity work; brass tubes $12\frac{1}{2} \times 17\frac{7}{8}$ inches inside measurements for the determination of volume weight, apparent specific gravity and porosity of soils, apparatus to determine the power of loose and compact soils to retain moisture, a set of brass tubes, $16 \times 17\frac{7}{8}$ inches inside measurement, to show the rate of percolation of water through soils; a set of galvanized iron cylinders set in water jackets to show the effect of mulches or evaporation of water from soil; and a set of five glass tubes, $30 \times 17\frac{7}{8}$ inches inside measurement, for determining the capillary attraction of soils. A detailed description of the course offered by this department follows:

COURSES IN CHEMISTRY AND PHYSICS

The Chemistry laboratory is well equipped with apparatus for all branches of chemistry. All of the courses listed below run for three quarters.

I. General Chemistry. Six credits.

Lectures are given on the theory of chemistry and experiments are performed both by the instructor and by the students in the laboratory. This course is designed to pave a way for all other branches of chemistry and to give a general knowledge to those who do not wish to specialize in the subject. Six periods a week. Text: McPherson and Henderson.

II. Qualitative Analysis. Six credits. Prerequisite, course one.

Laboratory work preceded by theory of analysis. It is the aim of this course to acquaint the student with the general methods of testing acid and gases as well as colorimetric tests. Six periods a week. Text: McPherson and Henderson.

III. Quantitative Analysis. Six credits. Prerequisite, courses one and two.

Lectures and laboratory work in gravimetric and volumetric analysis. Some work will be done in combustion analysis. The aim of this course is to acquaint the student with the general principles of quantitative analysis.

Six periods a week. Text: Mahin's Quantitative Analysis.

IV. Organic Chemistry. Six credits.

Lectures and laboratory work on the preparation and identification of organic compounds. Course is planned so as to give a general knowledge of the groupings and properties of organic compounds as well as the preparation of a member of each type. The instructor reserves the right to reject anyone who is not properly qualified to pursue this course with profit. Six periods per week.

VI. Advanced Analytical Chemistry. Six credits. Prerequisite, course I, II and III.

The work of this course will be primarily in the field of industrial products, including the food stuffs, paints, oils and any substance the instructor may see fit to present to the student. Students in engineering and general mechanical trades are especially invited to pursue this course. The instructor reserves the right to reject anyone not properly qualified to pursue this course with profit. No special text will be used in this work. The student will be required to read from volumes furnished by the school library and bulletins. Six periods a week.

PHYSICS

I. General Physics. Three credits.

Three lectures and recitations. The subjects covered are properties of matter, pneumatics, mechanics of solids, liquids and gases. The lectures are fully illustrated and the practical application of the principles are clearly pointed out.

For Sophomores.

II. Advanced Physics A. Four credits.

Course I required. Course IV. Mathematics. Two lectures and one laboratory period per week. The subjects of discussion are Heat, Magnetism and Electricity, illustrating

fully the fundamental principles involved therein. This course will give the student an opportunity to take up work as an electrician. For Juniors.

III. Advanced Physics B.

Course II required. Course V Mathematics required.

Two lectures and one hour laboratory period per week. The subjects dealt with mostly in this course are light and sound, the latter being taken up briefly. This course will familiarize the students with the fundamental principles of optical and musical instruments that are in every day use. Three credits.

IV. Advanced Physical Laboratory Work.

Courses I, II and III required. Three credits.

This work is designed to fix the principles learned in the previous lectures firmly in the mind of advanced students by giving them the opportunity of performing the experiments with modern scientific apparatus. This course will give the student an opportunity to take up work as an expert electrician or mechanic.

MATHEMATICS

MR. NELSON AND MR. CHERRY

Course I. College Algebra. Fall Term.

Required of Freshmen.

5 credits:

5 recitations.

Special Course II. Plane Trigonometry. Functions of angles, solutions of right triangles, solution of oblique triangles.

Required of Freshmen.

5 credits:

5 recitations.

Course III. Surveying. Use and care of instruments. Field work in practical problems, measuring of distance, slopes and elevations, office work in computations and map drawing, drainage and contour maps, calculation of areas by various methods.

Elective for Sophomores.

3 credits:

3 recitations.

Course IV. Analytic Geometry. Co-Ordinates. The straight line and the circle, the conic section and higher plane curves.

Elective for Sophomores.

3 credits:

3 recitations.

Course V. Differential Calculus. Differentiation of algebraic functions, with applications; slope of curve, radius of curvature, points of inflection, maxima and minima, differentiation of transcendental functions.

Elective for Juniors.

3 credits:

3 recitations.

Course VI. Integral Calculus. The integral area under a curve, special forms of integration. The evolute, the cycloid, definite integrals, general formation, mechanics, convergence of series, applications to the Geometry of space.

HIGH SCHOOL DEPARTMENT

The A. and T. High School is a preparatory department to A. and T. College. It is accredited by the State Department of Education and students are admitted to this and other colleges without examination.

REQUIREMENTS FOR ADMISSION

All applicants for admission to the High School Department must furnish satisfactory credentials of good moral character and honorable withdrawal from the school last attended.

Applicants for admission to the High School must also present a certificate of graduation stating that they have successfully completed a standard grammar school course. Applicants failing to present such testimonials must qualify by examination.

Credentials and all correspondence relating to admission of students to the High School Department should be addressed to the Director of the Academic Department.

ADVANCED STANDING

Students transferring from other high schools or academies are required to file a certificate of credits with the school in which the studies were pursued and forwarded by him direct to the Director of the Academic Department.

Applicants failing to present a certificate of credits may be accepted on probation. A satisfactory official statement of work done in the last school attended must be filed with the Director of the Academic Department before the end of the semester in which the applicant registered on probation; or he must pass examination in all the prescribed subjects for which credit is claimed.

CLASSIFICATION AND PROMOTION

Classification and promotion are based on the completion of a specified number of units. A unit represents a year's study constituting approximately a quarter of a year's work. In order to be promoted without a condition a student should have passed in four subjects with a grade above D in at least three of these.

4 units are required for unconditional promotion to second year.

8 units are required for unconditional promotion to third year.

12 units are required for unconditional promotion to fourth year.

Any student who has not satisfactorily removed every condition at the end of the first semester of his fourth year will not be considered a candidate for graduation.

REQUIREMENTS FOR GRADUATION

Upon the satisfactory completion of fifteen units of high school work, together with four units of industrial work, a student will be recommended to receive a diploma from this department.

COURSE OF STUDY

FIRST YEAR

| <i>First Semester</i> | | <i>Second Semester</i> | |
|-------------------------|----|-------------------------|----|
| English | 5 | English | 5 |
| Algebra—Arithmetic | 5 | Algebra—Arithmetic | 5 |
| Military Science | 3 | Military Science | 3 |
| French | 5 | French | 5 |
| Industry | 10 | Industry | 10 |
| Music | 1 | Electives: | |
| Electives: | | General Science | 7 |
| General Science | 7 | Music | 1 |
| Civics | 5 | Civics | 5 |

SECOND YEAR

| <i>First Semester</i> | | <i>Second Semester</i> | |
|------------------------|----|------------------------|----|
| English | 5 | English | 5 |
| Mathematics—Algebra .. | 5 | Mathematics—Algebra .. | 5 |
| Foreign Language | 5 | Foreign Language | 5 |
| Ancient History | 5 | Ancient History | 5 |
| Electives: | | Electives: | |
| Agriculture | 10 | Agriculture | 10 |
| Bookkeeping | 5 | Bookkeeping | 5 |
| Typewriting | 5 | Typewriting | 5 |
| Music | 1 | Music | 1 |
| Industrial Arts | 10 | Industrial Arts | 10 |

THIRD YEAR

| <i>First Semester</i> | | <i>Second Semester</i> | |
|------------------------|----|------------------------|----|
| English | 5 | English | 5 |
| Plane Geometry | 5 | Plane Geometry | 5 |
| Chemistry | 7 | Chemistry | 7 |
| Electives: | | Electives: | |
| Mechanical Drawing ... | 2½ | Mechanical Drawing ... | 2½ |
| Agriculture | 5 | Agriculture | 5 |
| Stenography | 5 | Stenography | 5 |
| Typewriting | 5 | Typewriting | 5 |
| Foreign Language | 3 | Foreign Language | 3 |
| Industrial Arts | 2½ | Industrial Arts | 2½ |

FOURTH YEAR

| <i>First Semester</i> | | <i>Second Semester</i> | |
|-------------------------|----|-------------------------|----|
| English | 5 | English | 5 |
| Physics | 5 | Physics | 5 |
| Solid Geometry | 5 | Trigonometry | 5 |
| Electives: | | Electives: | |
| Mechanical Drawing | 4 | Mechanical Drawing | 4 |
| Industrial Arts | 10 | Industrial Arts | 10 |
| Agriculture | 10 | Agriculture | 10 |
| Foreign Language | 5 | Foreign Language | 5 |
| Stenography | 5 | Stenography | 5 |
| Typewriting | 5 | Typewriting | 5 |

The contents and subject matter in all of the high school courses accord with the outlines recommended by College Entrance Examination Board, 431 West 117 Street, New York.

DESCRIPTION OF COURSES

HISTORY

ANCIENT HISTORY. One-half of the year is devoted to the study of the Ancient Orient and Greece as far as the death of Alexander and the break up of his Empire with the expansion of Greek culture in the Mediterranean World. The second half year is devoted to the study of the history of Rome to the year 476 A. D. Emphasis is laid upon the civilization developed by the different peoples of the Orient, with particular reference to the contributions which they made to later ages.

EUROPEAN HISTORY—Medieval. In this course emphasis is laid on the contributions of the Roman Empire, the Germans, and the Christian Church to Medieval Civilization. The structure of feudal society, the Crusaders, the formation of the European states, the several phases of the Renaissance and of the Reformation, and the discoveries outside of Europe are covered.

MODERN EUROPEAN HISTORY. Emphasis is laid on the absolute monarchy of Louis XIV, colonial expansion and rivalries. The development of the constitutional monarchy

in England the enlightened despotism of Frederick the Great, the republican government of Revolutionary France, the Napoleonic epoch and the main facts in the political development of Europe since 1815. Special attention is given to the Industrial Revolution—its political and social aspects to the growth of Nationalism and democracy, and to the economic expansion of the European outside of Europe. The study of the last half century includes some account of the great material changes, important inventions, and intellectual and social and humanitarian movement.

AMERICAN HISTORY. This course deals in a general way with the history of the United States. Special attention is given to the study of territorial expansion, social and industrial growth, to the policy of the United States in foreign affairs, tariff, banking, civil service, currency, trusts, conservation of national resources, capital and labor, immigration and other present day problems. A study of the lives and public services of great Americans is also included.

In all history courses careful attention is given to map study.

ENGLISH

It is our purpose to give students a practical knowledge of the principles of correct expression in speaking and writing; therefore this course provides for the fundamental principles of grammar as well as oral and written composition. The written composition will be carefully criticized by the teacher and regularly returned to the student often to be re-written. Oral composition will include newspaper reports, short stories from magazines, and other written articles of current interest.

The following is the minimum amount of work required for graduation:

First Year:

First Semester: A thorough review of grammar with special emphasis on syntax, parsing and analysis. 5 periods a week.

Second Semester: General review of grammar with special emphasis on oral and written composition. 5 periods a week.

Second Year:

First Semester: Composition and Rhetoric. Special emphasis on written work, including letter writing, theme papers and reports on interesting subjects. 5 periods a week. Texts: Sentence and Theme—Ward.

Second Semester: Composition and Rhetoric. 3 periods a week. Special reports and discussion of current events. 2 periods a week.

Third Year:

First Semester: 1. A study of the lives and works of Chaucer, Shakespeare, Milton, Bunyan, Pope, Burke, Goldsmith, Cowper, Wordsworth, Coleridge, Scott, Lamb and DeQuincey. 3 periods a week. Text: English Literature—Long. 2. A thorough drill in "The Century Handbook of Writing", by Ceever and Jones. 2 periods a week.

Second Semester: Read and criticize some of the following works: (a) Shakespeare's Merchant of Venice, A Mid Summer Night's Dream, Hamlet. (b) Milton's Il Penseroso, L'Allegro, Paradise Lost. (c) Bunyan's Pilgrim's Progress. (d) Pope's Essay on Man. (e) Burke's Speech on Conciliation with America. 5 periods a week.

Fourth Year:

First Semester: The history of American Literature. 5 periods. This course includes a brief outline of the history of American Literature, with a study of the important work in each period. Study of the principles of composition, with special emphasis on punctuation and sentence structure. Frequent writing of themes and home reading is required. Textbooks: American Literature, Long; Century Handbook of Writing.

Second Semester: American Poetry. Special attention will be given the poetry of Bryant, Whittier, Longfellow, Holmes, Poe and Dunbar. This course also includes a review of the most important principles of grammar and rhetoric, with practice in composition and a study of words. Textbooks: American Poetry, Demille; Century Handbook of Writing; and the Century Vocabulary Builder.

FRENCH

FRENCH I. During the first year the work comprises:

1. Careful drill in pronunciation.
2. The rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax.
3. Abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression.
4. The reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read and in reproducing from memory sentences previously read.

5. Writing French from dictation.

At the end of this course the pupil should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of every day life or based upon a portion of the French text read, and to answer questions on the rudiments of the grammar as defined below.

FRENCH II. During the second year the work comprises:

1. The reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches.
2. Constant practice, as in the previous year, in translating into French easy variations upon the texts read.
3. Frequent abstracts, sometimes oral and sometimes written, of portions of the texts already read.
4. Writing French from dictation.
5. Continued drill upon the rudiments of grammar, with constant application in the construction of sentences.
6. Mastery of the forms and use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of conditional and subjunctive.

At the end of this course the pupil should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course.

PHYSICS

GENERAL STATEMENT

The following requirement in physics has been planned so as to be equally suitable for the instruction of the student preparing for college and for the student not going beyond the secondary school.

1. Lectures. Especial emphasis is placed upon lecture demonstrations to illustrate the facts and phenomena of physics in their qualitative aspects and in their practical application. Striking and interesting developments in modern physics are introduced to diversify the course and to add interest from time to time; they are presented in the form of lectures by the teacher.

2 Recitations. In the class work the general principles outlined in the syllabus are emphasized and the student is taught to apply these principles intelligently to the solution of simple and practical problems. In the solution of numerical problems, the student is encouraged to make use of the simple principles of algebra and geometry to reduce the difficulties of solution. Unnecessary mathematical difficulties are avoided and care is exercised to prevent the student from losing sight of concrete facts in the manipulation of symbols. Individual laboratory work requiring at least the time of 25 double periods, two hours in the laboratory are counted as equivalent to one hour of classroom work. The experiments performed by each student should number at least 25. The work is so distributed as to give a wide range of observation and practice.

The aim of laboratory work is to supplement the pupil's fund of concrete knowledge and to cultivate his power of accurate observation and clearness of thought and expression. The exercises are chosen with a view of furnishing forceful illustrations of fundamental principles and their practical applications.

3. Throughout the whole course attention is paid to common illustrations and to industrial and household applications of physical laws.

CHEMISTRY

The preparation, properties and uses of the following elements—hydrogen, oxygen, atmospheric nitrogen, chlorine; the properties and uses of carbon (including allotropic forms), sulphur, sodium, zinc, iron, copper and gold. In the case of the metals mentioned, the action of air, of water and of dilute acids are discussed.

The preparation (one method), properties and uses of the following compounds: hydrochloric acid, sodium chloride, silver chloride; sulphur dioxide, sulphuric acid (preparation by the contact process), hydrogen sulphide; calcium phosphate; carbon dioxide, including its relation to vital processes; carbon monoxide; calcium carbonate, calcium oxide, calcium hydroxide; ammonia, ammonium hydroxide; nitric acid (including action on copper), nitric oxide; sodium nitrate, potassium nitrate; the properties and uses only of sodium carbonate and sodium acid carbonate.

The preparation, properties and uses of few common organic substances, namely, petroleum products, ethyl alcohol, acetic acid, glucose, cane sugar, and starch.

The properties of the elements and compounds studied are those which serve for recognition, or those which are related to some important use. The uses considered are those of household or industrial importance.

A detailed study of air, including the nitrogen, oxygen, carbon dioxide, and water vapor; water and its properties; impure water and its relation to health, its treatment by boiling, distillation and filtration.

Simple types of chemical action: Direct combination, decomposition, displacement of an element in a compound by another element, double decomposition. radiates as units in chemical action; order of activity of the common metallic elements; acids, bases, neutralization, salts; the identification of a few substances by means of characteristic properties and reactions; quantitative character of chemical action as illustrated by one or two experiments.

The laws of Boyle and Charles, quantitatively, with simple problems in each separately; instances and statement of the laws of conservation of mass, conservation of energy, and definite proportions; illustration of the law of multiple proportions; reacting weights of elements; elementary statement of the atomic theory and its relation to the law of definite proportions; significance and use of atomic weights.

Valence in an elementary way; nomenclature as illustrated by simple inorganic compounds; use of formulae in constructing and balancing equations; simple exercise in chemical arithmetic, the atomic weights and the formulae of the compounds involved being given, calculation of (a) percentage composition, (b) weights of substances concerned in chemical reaction, (c) the volume of a gas resulting from a chemical reaction (the weight of a liter of the gas under the conditions of the experiment being given).

LATIN

MR. H. A. TALMA

COURSE 1.

Second Year:

First Semester: Nouns and Adjectives of first, second and third declensions; principal parts of verbs; simple uses of case; conjugations of irregular verbs. 5 periods per week.

Conjugation of verbs. Fourth and fifth declensions. Indirect discourse. Prepositions; expressions of place; composition; supplementary readings from Latin into English. 5 periods per week.

Second Semester: Review of declensions and conjugations. The subjunctive mood; relative pronouns; double questions; ablative absolute; conditional sentences; gerund and gerundive; periphrastic conjugations; composition. 5 periods per week.

COURSE 2.

Third Year:

First Semester: Review Grammar. Caesar—De Bello Gallico, Book I. Easy composition; word formation.

De Bello Gallico, Books 2 and 3; advanced composition; sight reading: Nepos lives. 5 periods per week.

Second Semester: Caesar—De Bello Gallico, Book 4. Advanced prose. Sight: Nepos lives general review; word formation. 5 periods per week.

COURSE 3

First Semester: Cicero—In Catilinam (1 and 2).

Sight: Sallust—Catiline.

Composition—Advanced Latin Prose. Word formation. 5 periods per week.

Cicero—In Catilinam (3 and 4).

Sight: Sallust—Catiline.

Composition—Advanced Latin prose. Word formation. 5 periods per week.

Second Semester: Cicero—Pro Lege Manilia Pro Archia.

Sight: Sallust and Jurgurtha.

Composition—Advanced Latin prose. Word formation. 5 periods per week.

MATHEMATICS

MR. D. K. CHERRY

The technical student, whether agricultural or mechanical, must have a thorough grounding in the principles of mathematics; therefore, the courses here are made as practical and informational as possible, without lessening the training in clear and logical thinking.

FIRST YEAR, ADVANCED ARITHMETIC AND ALGEBRA

First Semester:

This course will be mainly review. It will cover the principles of arithmetic as a whole, special emphasis being upon the equation. Textbook: Milne's Arithmetic, Book III.

Beginning Algebra: Positive and negative numbers, parenthesis, simple problems requiring the use of the equation. The four fundamental operations.

Second Semester:

Algebra, continued. Factoring; fractions.

Textbook: Complete School Algebra (Revised), Hawkes, Luby and Teuton.

SECOND YEAR, ALGEBRA (*Continued*)

First Semester:

Fractions, continued. Problems involving fractions, graphical representation. Linear system.

Linear systems continued; square root, radicals.

Second Semester:

Quadratic systems; review.

THIRD YEAR, PLANE GEOMETRY

First Semester:

Elementary principles. The Geometry of rectangular figures. Book I.

The Geometry of the Circle. Similar Polygons, Areas, Regular Polygons, Books II and III.

Second Semester:

The Geometry of Areas, Regular Polygons, Variables and Limits.

FOURTH YEAR HIGH SCHOOL

Solid Geometry. Lines, Planes and Angles in space. Prisms and parallelopipeds, pyramids and cones, the sphere. Textbook: Plane and Solid Geometry, Wells and Hart.

SCIENCE

1. GENERAL SCIENCE WITH LABORATORY WORK. Snyder's Everyday Science. Five periods a week.

2. PHYSIOLOGY. Laboratory work and notebook will be required. Two periods a week during the year. Ritchie and Caldwell's Human Physiology.

3. PHYSICS. A year's course in Physics with laboratory work. Notebook required. Carhart and Chute, Practical Physics.

4. CHEMISTRY. Elementary Chemistry. Three recitation hours per week and two laboratory periods per week. McPherson's Chemistry.

CIVICS

First Year:

Community Civics. The chief aim of this course is to train the student for intelligent and conscientious participation in civic affairs. Pupils are urged to watch the daily newspaper for items of practical interest. A record of these items is kept in a notebook. This course aims to give the student a better understanding of social problems; our relation with other countries; our financial problems, etc.

This course runs five periods a week for the entire session.

COMMERCIAL DEPARTMENT

The aim of this course is to meet the needs of business and to supply the increasing demand for bookkeepers, stenographers and business managers. Open to students who have had four units of high school work.

OUTLINE OF COURSES

FIRST YEAR

| | | |
|-----------------|------------------|----------------|
| English | English | English |
| Ancient History | Medieval History | Modern History |
| Bookkeeping | Bookkeeping | Bookkeeping |
| Phonography | Phonography | Phonography |
| Typewriting | Typewriting | Typewriting |

SECOND YEAR

| | | |
|------------------|------------------|------------------|
| English | English | English |
| Phonography | Phonography | Phonography |
| Typewriting | Typewriting | Typewriting |
| American History | American History | American History |

THIRD YEAR

| | | |
|-------------------|-------------------|-------------------|
| English | English | English |
| Business Law | Business Law | Phonography |
| Phonography | Phonography | Typewriting |
| Typewriting | Typewriting | Business Law |
| Spanish or French | Spanish or French | Spanish or French |
| Economics | Economics | Economics |

A. & T. College is in itself a complex business organization, and in addition to the course outlined offers in its offices unusual advantages in the way of study and training for the students. Students are given an opportunity to observe the conduct of these offices, thus enabling them at first hand to gain experience which will add materially to their power.

DEPARTMENT OF MUSIC

MR. FULLER

The social and ethical side of life, as well as the general artistic conception and appreciation is greatly enhanced by the study of music. More stress is placed upon music in the public schools today than ever before, and with that stress comes a more systematic presentation of the subject, so as to make it render the greatest good to the largest number.

OUTLINE FOR THE PIANOFORTE COURSE

The aim of the work in piano is to lay a thorough technical foundation and to secure proper methods of study. The course gives adequate preparation for teaching or for future specialization leading to concert work. The course is graded. Pupils benefit greatly by this system of classification. The best methods and studies and standard works are used.

- I. Elementary.
- II. Advanced Elementary.
- III. Intermediate.
- IV. Advanced Intermediate.
- V. Advanced.

VOCAL DEPARTMENT

The management recognizes the art of singing as the foundation of all music culture. No instrument can be a substitute for song. The training of choruses and quartets will be emphasized.

The Vocal Department aims to give its pupils a proper idea of pure and resonant vocal tone and to develop their capacity for producing such a tone, as well as increase their flexibility and to strengthen and extend the range of the voice.

Students showing talent for music and possessing voices sufficiently good to make their development wise will be offered Voice Culture. Students will be required to know the elementary grade in piano to enter this course.

One hour daily practice.

Two lessons weekly.

Two rehearsals weekly with vocal class.

CHORAL CLASS

A choral class is maintained for the study of cantatas, choruses and part songs. Under this head come the Glee Club and College Quartet and Quintet. The Glee Club is open to students who qualify by quality of voice and ability to read music. Members of the quartet and quintet are chosen from the choral class. The choral classes offer opportunity for practice in sight reading; sight singing; also the opportunity to present programs of the best class of Chorus Music and the best in Negro Music.

Two weekly rehearsals.

Each class is required to take one period of Vocal Music weekly.

BAND AND ORCHESTRA

The Band and Orchestra offer an excellent opportunity to the student to become skilled in playing various instruments. Concerts and entertainments are frequently given by these organizations.

STRINGED INSTRUMENTS

Scales and fingering exercises, care and tuning of instrument.

One hour daily practice.

Two lessons weekly.

Three rehearsals weekly with orchestra.

BRASS AND WOOD WIND INSTRUMENTS

Production of the tone.

Scales, fingering and elementary studies, care and tuning of instrument.

One hour daily practice.

Two lessons weekly.

Three rehearsals weekly with orchestra or band.

MUSICAL EDUCATION

Courses in Appreciation, Theory of Music and History of Music will be offered to those sufficiently advanced in music to enable him to do the work creditably. The above course is required in the advanced grade of piano music.

MILITARY DEPARTMENT

1. In October, 1919, the United States War Department designated military training at the A. & T. College under the provision of Special Regulations No. 45, War Department, 1920.

2. All students, who are physically fit and sixteen years of age or over, automatically become members of the Military Department upon entering school.

BENEFITS AND VALUE OF MILITARY TRAINING

(a) In the Military Department a man will be taught the lesson of discipline, which means that he will learn to lead and to be led, to obey orders and to give orders, to co-operate effectively with others — *Team Work*. These are lessons which are worth learning, whether one goes to war or goes to work.

(b) Military training will enrich the educational resource of the college by contributing new problems, applications and equipment. This will not only vitalize the course of study, but give the student a training which will be valuable in his industrial or professional career as it would be, should the nation call upon him to act as a leader in its defensive forces.

(c) A military unit is largely dependent for its efficiency upon the physical fitness of the individuals composing it. Physical training, therefore, will form an essential part of the military instruction. It will be the policy to encourage and support, in every way practicable, the physical training given by the civilian teachers, thus co-operating with all other effective agencies in an effort to promote a more vigorous American manhood.

(d) The Military Department aims to make every man physically sound and to teach him the habits of self care. No other form of physical training equals in soundness and efficiency that afforded by drill in the open and by mass athletics, both designed to develop the mind and body by certain well-defined movements. Drill and physical exercise, properly given, will fit the student to endure physical hardship, discipline him in accuracy, orderliness, punctuality and alertness and will insure quickness, precision and the habit of concentrated attention. It will accustom the student to cooperation, and promote comradeship and emphasize the spirit of duty and service.

The regularity and thoroughness of these exercises contribute much to the health and growth of the student. Their physical improvement is always a cause for deep and abiding joy and pleasant surprise on the part of parents and friends.

ARMS AND EQUIPMENT

3. Approximately \$10,000 worth of arms and equipment is furnished the college by the War Department, for which the college gives bond in the required sum. This equipment is used for the benefit of the cadets in the many various phases of military instruction.

4. Uniforms may be furnished the students by the government, in which event a deposit will be made by the student with the institution, to insure the safekeeping and return of the property so issued.

COURSE OF INSTRUCTION

5. The following subjects are taken up during the year and a prescribed number of hours of instruction devoted to each:

Organization.

Military Courtesy and Discipline.

Drill—Close and Extended Order.

Ceremonies.

Marching.

Care in Handling of Arms and Equipment.

Small Arms Firing.

Personal Hygiene, First Aid, and Sanitation.

Interior Guard Duty.

Minor Tactics.

Morale.

Physical Training.

Bayonet Training.

General Review of all Subjects.

The training is progressive and follows the plans laid down by the War Department.

NIGHT SCHOOL

In order to extend the usefulness of this institution as far as possible among young men who are without means or friends to assist them, a night school will be conducted that will permit students to work during the day and attend school at night. While the opportunities for advancement in the night school will not be equal to those of the day school, the best that the conditions permit will be given, and students attending the night school may eventually arrange to enter the day school. Courses completed in the night school receive the same credit as if completed in the day school.

It is especially desirous that young men of the city who are employed during the day will avail themselves of this opportunity.

To enter the night school, the applicant should be sixteen years of age, and he should first secure work. This may be done by sending a written application to the President, A. and T. College, Greensboro, N. C.

SUMMER SCHOOL

The thirtieth annual session of the A. and T. College Summer School will begin June 14, 1927, and continue six weeks. The Negro teachers of the state are invited to co-operate in building a strong Summer School that will help foster patriotism and bind together all who are interested in educational progress in North Carolina.

Specialists in Primary Methods, School Management, and all the common school branches will be included on the staff of instructors.

The college is beautifully located and in an ideal spot for a pleasant summer vacation.

For prospectus, etc., apply to President F. D. Bluford, Greensboro, N. C.

ROSTER OF STUDENTS

Regular Session 1925-1926

COLLEGE DEPARTMENT

SENIOR CLASS

| | |
|-------------------------------|-------------------|
| Chalmers, John Daniels | Cameron |
| Felder, William Hance | Charleston, S. C. |
| Foster, Charles Alfred | Waynesville |
| Griffin, Thomas Preston | Hamlet |
| Hawkins, Washington | Athens, Ga. |
| Murrill, Hill Frank | Jacksonville |
| Oliver, Jerry William | Almagro, Va. |
| William, Opie Hannibal | Warsaw |

JUNIOR CLASS

| | |
|--------------------------------|---------------------|
| Clark, Southgate G. | Hamlet |
| Sinclair, Edward Douglas | Chesterfield, S. C. |

SOPHOMORE CLASS

| | |
|-----------------------------------|----------------|
| Brown, Paul Roosevelt | Greensboro |
| Chandler, Harold Bertram | Asheville |
| Cheatham, Ludd Nelson | Gumberry |
| Henderson, Harvey Palmer | Bristol, Tenn. |
| Lowe, Ralph Emerson | Reidsville |
| McCormick, John Carlyle | Raeford |
| Miller, Jesse | Lexington, Ky. |
| Milner, Armstead Elwood | Roanoke, Va. |
| Puryear, William Henry | Bryn Mawr, Pa. |
| Twitty, James Herman | Bessemer City |
| Williams, Croxton | Marietta |
| Williams, King Agrippa | Blount's Creek |
| Williamson, Willard Houston | Ruffin |

FRESHMAN CLASS

| | |
|--------------------------------|-------------------|
| Atwaters, Frank Brighter | Durham |
| Baker, Elijah Judge | Kinston |
| Bell, Charles Malachi | Morehead City |
| Bell, Henry Raymond | Philadelphia, Pa. |
| Broadhurst, John William | Seven Springs |
| Broadhurst, Moses Junius | Seven Springs |
| Burt, Moses Cimuel | Gupton |
| Byrdsol, Joseph Edward | Dunn |

| | |
|-----------------------------------|--------------------|
| Curtis, Walter Francis | Raleigh |
| Daniels, John Thomas | Apex |
| Dent, Aubrey O'Neal | Roanoke, Va. |
| Flagg, Charles Edward | Raleigh |
| Forbes, Earl | Greenville |
| Gibson, Max Elbert | Landis |
| Gordon, Allison | Southport |
| Hamme, Thomas Authur | Oxford |
| Hemby, Samuel Hall, Jr. | Wilmington |
| Holloman, Booker Washington | Ahoskie |
| Holt, Willard Slone | Graham |
| Hyman, Edward Cicero | Oak City |
| Jordan, William Allison | Beaufort |
| Johnson, Thomas William | Atlanta, Ga. |
| Lennon, Wade Wisher | Boardman |
| Litman, John Simon | British W. I. |
| Little, Cevera Rochester | Newport News, Va. |
| McKethan, Hector Royster | Wade |
| McLendon, Charles Henry | Badin |
| Meachem, Livie Carl | Kings Creek, S. C. |
| Miller, Leonard James | Charlotte |
| Overton, Anthony Myles | Hertford |
| Pitts, Walter Edwards | Winston-Salem |
| Plummer, Samuel Hill | Middlesburg |
| Rogers, George Franklin | Greensboro |
| Smith, Charles Celesta | Scotland Neck |
| Smith, James O'Harrell | Morehead City |
| Smith, Leonard Henry | Palmetto, Fla. |
| Smith, Samuel Cooper | Smyria, S. C. |
| Taylor, Curtis Preston | Henderson, Ky. |
| Whitfield, Oscar Nathaniel | Greensboro |
| Williams, Lloyd Alonzo | Wilmington |
| Wooten, Charles Delmas | Lexington |
| Wynn, Alfred Berkley | Powellsville |

HIGH SCHOOL DEPARTMENT

FOURTH YEAR HIGH CLASS

| | |
|---------------------------------|--------------------|
| Alexander, William Booker | Wise |
| Bennett, Chester Elice | Monroe |
| Beverly, Peter | North Emporia, Va. |
| Brooks, Theodore Hamlin | Beaufort |
| Brown, Eddie Lee | Thelma |
| Bryant, Roger Reed | Acme |
| Budd, John Haywood | Mount Olive |

| | |
|------------------------------------|-----------------------|
| Carney, James Ampler | Rocky Mount |
| Canty, Moses Jasper | Pine Wood, S. C. |
| Collins, Frederick Douglas | Bird's Nest, Va. |
| Colson, Lester Clarence | Norwood |
| Connor, Jesse Lee | Concord |
| Debnam, Edward Camillus | Raleigh |
| Faison, William Clarence | Oriental |
| Galloway, Necholas Nathaniel | Supply |
| Goodwin, John Eli | Congaree, S. C. |
| Goore, Horace Clarence | Hickory |
| Grandy, Clemuel Durham | Wilson Mills |
| Harris, John Baptist | Fredericksburg, Va. |
| Hemphill, Pink, Jr. | Old Fort |
| Henry, John Wesley | Greensboro |
| Hester, Edwin Clarence | Raleigh |
| Holt, Elmer Dellinger | Greensboro |
| Holt, John Anderson | East Spencer |
| Howard, Clifton Eugene | Wilmington |
| Jenkins, James Martin | Cameron |
| Kornegay, Robert Orsborn | Mount Olive |
| Lane, James Freeman | Raleigh |
| Lassiter, Louis Elvin | Durham |
| Lennon, Early | Boardman |
| Lloyd, Lawyer Kermit | Curry |
| Lloyd, Montgomery Broadway | Curry |
| Lyons, Charles William, Jr. | Whitakers |
| McManus, Ulyssess Sampson | Monroe |
| Maloy, John Walter | Greensboro |
| Mitchell, Roger Theodore | Wilmington |
| Patterson, Maceo Elliott | Youngstown, O. |
| Peddy, William Adolph | Holly Springs |
| Pollard, Floyd Clinton | Laurinburg |
| Spaulding, Pritchard Ross | Clarkton |
| Tate, William, Jr. | Jefferson City, Tenn. |
| Whitted, William Henry | Goldsboro |
| Wilson, Raleigh William | Waynesville |
| Young, Julius Cornelius | Fredericksburg, Va. |

THIRD YEAR HIGH CLASS

| | |
|----------------------------------|---------------|
| Anderson, William | Beaufort |
| Artis, Clarence James | Farmersville |
| Bennett, William Robert | Newton |
| Blount, Arthur | Farmville |
| Broadhurst, Huddie Huntley | Seven Springs |

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|------------------------------------|---------------------|
| Bryant, Isaac Ulysses | Bessemer City |
| Boykins, William Louis | Camden, S. C. |
| Cheek, King Virgil | Airlie |
| Coles, Jonas Henry | Marvin |
| Copeland, James Christopher | Clinton, S. C. |
| Davis, Robert Eldredge | Brookneal, Va. |
| DeBerry, Charles Ulysses | Greensboro |
| Devane, William Vernon | Broadway |
| Dixon, Chester Allen | Rocky Mount |
| Faison, Frank, Jr. | Clinton |
| Faulk, Robert Lee | New York City |
| Fortune, Dwight Edwin | Asheville |
| Foust, Herman | Lagrange |
| Francis, Ernest Blair | Exmore, Va. |
| Glisson, Benjamin Lee | Sumter, S. C. |
| Graves, Cecil Calvert | Reidsville |
| Hargrove, Jodie Sylvester | Faison |
| Harris, Edward Odell | Wadesville |
| Harris, Johnston | Littleton |
| Harris, Reginald Macon | Warren Plains |
| Harris, Wrenton Oscelo | Durham |
| Harriston, Jacob Roosevelt | Martinsville, Va. |
| Harriston, Robert Wade | Winston-Salem |
| Huntley, Lester James | Wadesboro |
| Jenkins, Bennie Harrison | Ahoskie |
| Jimenez, Amanda Negron | Guayama, Porto Rico |
| Johnson, Leroy | Charlotte |
| Jones, William Hertford | Suffolk, Va. |
| Kanoy, Oliver Reed | Thomasville |
| Lindsay, Edward David | Eagle Spring |
| Long, Walter Raleigh | Hertford |
| McCormick, George Washington | Shannon |
| McDonald, John Thomas | Rockingham |
| McFarland, Joseph Edward | Morehead City |
| Mayo, John Hawks | Norfolk, Va. |
| Miller, Cecil Calvin | Greensboro |
| Michael, Julian Harvey | Asheville |
| Moffitt, James Link | Greensboro |
| Mooney, Frederick Caldwell | Asheville |
| Moorer, John Daniel | Orangeburg, S. C. |
| Myrick, Shirley Eastman | Enfield |
| Parker, Rencie Lear | Suffolk, Va. |
| Pasteur, Joseph Henry | Beaufort |
| Patterson, James Albert | Wilson |

| | |
|----------------------------------|---------------------|
| Pendarvis, Frederick Cleo | Cardova, S. C. |
| Pendleton, Dudley Urbane | Fredericksburg, Va. |
| Penn, Orville Diggs | Greensboro |
| Phillips, Oliver Wendell | Kernersville |
| Pickett, Clyde Watt | Beaufort |
| Pittman, Tilman | Wewoka, Okla. |
| Powell, Booker Tenneson | Lumberton |
| Powell, Clarence Milton | Apex |
| Pratt, Henry Anderson | Fredericksburg, Va. |
| Ramseur, John Lee | Lincolnton |
| Robinson, William Frank | Greensboro |
| Saunders, Claude Dafford | Smithfield |
| Savage, Stewart Eddie | Hobgood |
| Silver, Samuel | Enfield |
| Smith, James Leonodus | Raleigh |
| Streater, James Alexander | McFarlan |
| Swinson, Green Thomas, Jr. | Snow Hill |
| Thompson, Julian Cornelius | Faison |
| Torrence, Arthur Leon | Concord |
| Watson, Romey Reginald | Grove Hill |
| Wooten, Edward Lodouzo | Greenville |
| Young, Claude Gray | Greensboro |

SECOND YEAR HIGH CLASS

| | |
|--------------------------------|----------------------|
| Allen, Thomas William | Southern Pines |
| Allison, William Frank | Greensboro |
| Artis, Quinley | Farmville |
| Baucum, Crowson Milton | Wadesboro |
| Baucum, James Andrew | Wadesboro |
| Beckwith, John | Smithfield |
| Bethea, Leon | Dillon, S. C. |
| Boykin, Limuel Raphael | Suffolk, Va. |
| Branch, Fred Lee | Suffolk, Va. |
| Brown, Augustus Frank | Charlotte |
| Burge, Green Lee | Greensboro |
| Burnett, Edgar Warren | Plantersville, S. C. |
| Burwell, Nathan Spotwood | Middleburg |
| Cameron, James Ivery | Jonesboro |
| Cameron, Lindsay Hugh | Jonesboro |
| Campbell, John Abdial | Lillington |
| Coleman, Herman | Fredericksburg, Va. |
| Cox, Booker Theodore | Winterville |
| Craighead, Halcomb | Kimball, W. Va. |
| Donnell, George Arthur | Greensboro |
| Donnell, George Martin | Greensboro |

110 THE NEGRO AGRICULTURAL AND TECHNICAL COLLEGE

| | |
|-----------------------------------|-------------------|
| Duncan, Warren Eugene | Newton |
| Dunn, Nelson King David | Tarboro |
| Elder, Thomas Jefferson | Sandersville, Ga. |
| Faison, Felton | Clinton |
| Fleming, Isaac | Morganton |
| Floyd, Jennings Obediah | Daugherty, Va. |
| Grady, Daniel Lewis | Wilmington |
| Green, Martin Robert | Dry Creek |
| Hagines, James Garfield | Fairmont |
| Hall, Joseph Clarence | Hallsville |
| Hayley, Walter Eugene | Concord |
| Hinnant, Ollen Broger | Buffalo, N. Y. |
| Jeffers, Calvert | Roxboro |
| Jones, Edward Robert | Wake Forest |
| Jordan, George Raleigh | Elizabeth City |
| Keiser, Luther | Oxford |
| Kelly, William Berlin | Carthage |
| Lee, John Addison | Lewiston |
| Ledbetter, Freeman Hillyord | Etowah |
| Lewis, Curtis | Jackson |
| Lyons, John Henry | Timberlake |
| McLean, James Otho | Lillington |
| McNeeley, Harvey | Lancaster, S. C. |
| Mitchell, Jefferson James | Ahoskie |
| Moore, John David | Derita |
| Moore, Lester Vernon | Norfolk, Va. |
| Morphis, Samuel, Jr. | Chapel Hill |
| Mosely, James Theodore | New Bern |
| Nicholson, Anderson | Bessemer City |
| Nunn, Theodore Roosevelt | Durham |
| Parker, Henry Jackson | Ellerslie, Ga. |
| Perkins, Theodore | Morganton |
| Riddick, William | Philadelphia, Pa. |
| Sherard, Carl Allen | Iva, S. C. |
| Slade, Noah William | Williamston |
| Slade, Turner Kaze | Williamston |
| Sledge, Frederick Douglas | Vaughan |
| Stephenson, Walter Harrell | Seaboard |
| Thornton, Bernice Hillman | Warrenton |
| Torrence, Curtis Lee | Salisbury |
| Townsend, John William | Maxton |
| Welch, James Walter | Garysburg |
| Winters, Charles William | Raleigh |
| Willis, George Hamilton | Winston-Salem |
| Williamson, Curran Walter | Greensboro |

FIRST YEAR HIGH CLASS

| | |
|--------------------------------------|----------------------|
| Allen, William | Leaksville |
| Armstrong, Theodore D. | Candor |
| Atkins, Albert Green | Cumnock |
| Avery, Eugene Gassay | Smithfield |
| Baker, Samuel Eugene | Littleton |
| Baker, Isaac | Atlantic City, N. J. |
| Banner, Jesse Willard | Carthage |
| Beattie, George Charles | Maxton |
| Bethea, Joseph | Maxton |
| Billups, Harrison William | Belvidere |
| Black, Eugene | Red Springs |
| Blakney, Eunace | Union |
| Brotherton, Napoleon Smith | Davidson |
| Buffaloe, Otis | Gumberry |
| Campbell, Edward, Jr. | Maxton |
| Capehart, William Wadsworth | Raleigh |
| Carmack, Lacey George | Greensboro |
| Carter, Pernell | Dudley |
| Casey, Henry James | Cullowhoe |
| Chance, Don Gilliam | Hassell |
| Cheek, Nathaniel John Anderson | Henderson |
| Cheek, William Henry | Elbern |
| Cogdell, Derotha Nathaniel | Washington |
| Clanton, Melton Mynard | Littleton |
| Darden, Samuel | Mt. Olive |
| Dickens, Marion Lee | Rocky Mount |
| Dorsett, Richard | Siler City |
| Fogg, Glen | Manson |
| Foreman, Angelo Jordan | Asheville |
| Foushee, Cladius Hampton | Greensboro |
| Frazier, William Francis | Henderson |
| Freeman, Dalon Joe | Raleigh |
| Gantt, Thurman Aubry | Anderson, S. C. |
| Gilliam, Ronda Allen | Shoals |
| Gillispie, John | Rae ford |
| Goins, Clair Allison | Mooresville |
| Hagood, Cornelius Silas | Winston-Salem |
| Ham, William Winston | Goldsboro |
| Harris, Chalmers | Laurinburg |
| Harrison, Roy McKinley | Charlotte |
| Harvey, William Joseph | Littleton |
| Henry, John Amos | Mt. Olive |
| Hill, Charlie Lee | Philadelphia, Pa. |

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|-------------------------------------|----------------------|
| Johnson, James Ransom | Littleton |
| Johnson, William Mills | Gastonia |
| Jones, Macon | Clayton |
| Johnson, Simmie Andrew | Greensboro |
| Joyner, Joseph Archibald | Farmville |
| Kelly, William Berlin | Carthage |
| Kennedy, Joseph | Morganton |
| Leach, Charlie Hubbard | Faison |
| Leak, John Kermit | Wadesboro |
| Lee, Morgan James | Thomasville |
| Lewis, Datus Melvin | Maxton |
| Lewis, John Miller | Morrisville, Pa. |
| Lewter, Charles Hannan | Kelford |
| Littlejohn, James Christopher | Asheville |
| McCormick, Clyde | Shannan |
| McCullough, William | Charlotte |
| McDonald, Charles Delaquire | East Orange, N. J. |
| McNeill, Walter | Red Springs |
| McRae, Julius Jennings | Red Springs |
| Martin, Brunie Carl | Gibson |
| Mills, John Reafus | Print |
| Mills, William Alexander | Print |
| Mitchell, Jasper Lemuel | Ahoskie |
| Monroe, Clarence | Laurinburg |
| Mooney, Jordan | Maplehill |
| Moorse, Jesse | Atlantic City, N. J. |
| Moore, Joseph Andrew | Elkton |
| Moore, Moses | Greensboro |
| Moye, Marcellous | Farmville |
| Murphy, Jones Elliott | Spartanburg, S. C. |
| Meal, Harney Pelham | Athens, Ga. |
| Peacock, Winston | Whiteville |
| Pearson, Phairlever | Mt. Pleasant |
| Pittman, Jethro | Fairmont |
| Powell, Harmie | Apex |
| Pugh, Offie | Grifton |
| Raigns, John Henry | Scotland Neck |
| Reeves, William Ernest | Siler City |
| Richardson, Frederick Eugene | Pittsburg, Pa. |
| Robertson, Emrett Alexander | Spartanburg, S. C. |
| Rogers, John Wesley | Durham |
| Shepard, William Preva | Thomasville |
| Simmons, Robert Harold | Monroe |
| Simpson, Memnon | Winston-Salem |

| | |
|------------------------------------|-------------------|
| Siplin, Richard James | Oviedo, Fla. |
| Southerland, Royal Joseph | Henderson |
| Spaulding, James Henry | Clarkton |
| Staton, Lewis Wilson | Monroe |
| Stewart, Alexander | Greensboro |
| Sumbler, James Robert | King's Mountain |
| Taylor, Roland Hobart | Cumnock |
| Thomas, General | Jonesville, S. C. |
| Waddell, James Ernest | Ramseur |
| Watson, Elihu | Grove Hill |
| Weston, Johnnie | Wilmington |
| Williams, Clarence | Littleton |
| Williams, John | Mount Olive |
| Williams, Theodore Roosevelt | Goldsboro |
| Wood, Lazarus | Cowpens, S. C. |
| Wright, Charles | Asheville |

TRADE SCHOOL DEPARTMENT

THIRD YEAR TRADE CLASS

| | |
|--------------------------------|------------------|
| Alexander, Jodie | Kingsport, Tenn. |
| Baker, Jess Franklin | Kinston |
| Barnes, Millard | Ahoskie |
| Best, Theophilus | Snow Hill |
| Blount, Darius | Greensboro |
| Clanton, Benjamin Junius | Littleton |
| Davis, Clarence Alfred | Snow Hill |
| Davis, Walter | Marmaduke |
| Edwards, Jennings | Siler City |
| Faulks, Wyman | Greensboro |
| Green, Don | Clayton |
| Harris, Aljourney | Newell |
| Headen, William Henry | Greensboro |
| Henry, Council | Mt. Olive |
| Hillard, James Arnold | Rocky Mount |
| Jackson, Sydnor | Fremont |
| Johns, Godfrey | Auburn |
| Long, Osear Lendly | Asheville |
| Luck, John Harvey | Ramseur |
| Lyles, Wilson Luther | Greensboro |
| McBrayer, Julius | Ellenboro |
| McEntosh, Thomas | Pinehurst |
| McIver, John | Washington |
| Melchor, Otto | Landis |
| Meachem, Robert | Wadesboro |

| | |
|----------------------------------|-----------------|
| Overstreet, Nelson | Okmulgee, Okla. |
| Person, Hughie Martin | Greensboro |
| Pitts, John Elijah | Greensboro |
| Pryor, John Henry | Garner |
| Rhyne, Vanoid | Landis |
| Rosser, Payton | Littleton |
| Rollins, Excell | Leaksville |
| Sherrill, Richard Napoleon | Landis |
| Sneed, Fadumar | Ellerbe |
| Stroud, James Taft | Pinehurst |
| Yarborough, Lonnie Nathan | Henderson |

SPECIAL STUDENTS UNCLASSIFIED

| | |
|---------------------------------|-------------------|
| Alston, Oliver Alfred | Sanford |
| Alston, Sylvester | Franklin |
| Avery, Eugene | Smithfield |
| Boone, William Henry | Wilmington |
| Bracy, George Washington | Garysburg |
| Brower, Wilbur Scott | Greensboro |
| Brown, Walter | Rocky Mount |
| Chavious, Mars Henderson | Hillsboro |
| Cooper, Frederick Raphael | Newport News, Va. |
| Cunningham, John | Thomasville |
| Gibbs, David | Goldsboro |
| Green, Samuel McDorsey | Mebane |
| Hagins, William Louis | Roper |
| Hankins, Jury | Wilmington |
| Harriston, Jesse Smith | Leaksville |
| Hendricks, Aaron | Merry Mount |
| Jennings, Matthew Donah | Hurdle Mills |
| Jones, John Wesley | Elkin |
| Martin, Helton | Reidsville |
| Martin, Walter | Angier |
| Mathes, Arthur | Willard |
| Middleton, Mack Cosby | Warsaw |
| Morse, Scipio | Aberdeen |
| Nabors, William McKinley | Black Mountain |
| Porter, Ruschelle | Tyner |
| Potts, Elwell Alexander | Newark, N. J. |
| Powell, Caipas | Lumberton |
| Powell, Rosewell Lyman | Apex |
| Reddick, Thurman Allen | Williamson |
| Riddle, Esley | Burnsville |
| Rivens, Phairsee | Kannapolis |
| Roulbac, Walter | Windsor |

| | |
|----------------------------------|----------------|
| Sherrill, Elsworth Haywood | China Grove |
| Simpson, Early Herman | Greensboro |
| Smith, William Thurston | Wilson |
| Snow, Clarence Louis | Raleigh |
| Stewart, Samuel | Greensboro |
| Stokes, Irvin | Greensboro |
| Turner, Lacy Theodore | Greensboro |
| Wade, John Calvin | Derriston, Va. |
| White, William, Jr. | Phoenix, Va. |
| Williams, Joseph Eddie | Woodsdale |
| Wood, Alfonza | Fayetteville |

LIST OF SUMMER SCHOOL TEACHERS 1925

| |
|---|
| Abernethy, (Mrs.) Lola Scott, 410½ High Street, Greensboro, N. C. |
| Aldridge, (Miss) Mable, 902 High Street, Greensboro, N. C. |
| Aldridge, (Miss) Pearl, 902 High Street, Greensboro, N. C. |
| Alexander, (Mrs.) Maggie, Greensboro, N. C. |
| Allen, (Miss) Annie Mae, 609 High Street, Greensboro, N. C. |
| Allen, (Miss) Evelyn, 407 Holbrook Street, Danville, Virginia. |
| Allen, (Mrs.) Mary, Reidsville, N. C. |
| Allen, (Miss) Pearl L., Leaksville, N. C. |
| Anderson, Walter G., Lexington, N. C. |
| Archer, (Mrs.) Lottie M., Reidsville, N. C. |
| Arnold, W. N., Asheville, North Carolina. |
| Backus, (Mrs.) M. V., 514 St. James St., Tarboro, N. C. |
| Bacon, (Miss) Pearl, 326 Mulvanly St., Knoxville, Tenn. |
| Bailey, (Mrs.) Mable, 523 Albermarle Avenue, Rocky Mount, N. C. |
| Bailey, Nathaniel A., Pittsboro, N. C. |
| Barnes, (Mrs.) Elmer, 1009 E. Washington St., Wilson, N. C. |
| Bassett, T. R., Winston-Salem, North Carolina. |
| Battle, (Miss) Olga Lee, 522 Spring Street, Wilson, N. C. |
| Battle, (Mrs.) Rachel S., 121 South Grove St., Asheville, N. C. |
| Barker, (Miss) N. Mae, Holly Springs, N. C. |
| Bell, (Miss) Augusta L., 1212 Avery St., Morehead City, N. C. |
| Belton, (Mrs.) Julia A., 424 Beech St., Greensboro, N. C. |
| Bethea, (Miss) Jessie Belle, Maxton, N. C. |
| Blair, (Miss) Alice G., Hamlet, N. C. |
| Boatwright, (Miss) Angeline, 1914 Oak Street, Columbia, S. C. |
| Boone, (Miss) Viola M., 1018 Billio Street, Greensboro, N. C. |
| Boykins, (Miss) Helen T., Burlington, N. C. |
| Boykins, (Mrs.) J. H., Burlington, N. C. |
| Bradford, (Mrs.) E. P., 1051 E. Market St., Greensboro, N. C. |
| Briley, (Miss) Maggie F., 107 South Main Street, Tarboro, N. C. |
| Brivard, (Miss) Bertie Mae, Stanley, N. C. |
| Bullock, (Miss) Mary D., 501 Bennett Street, Greensboro, N. C. |

- Bullock, (Mrs.) R. Morehead, 919 E. Market Street, Greensboro, N. C.
 Burroughs, (Miss) Mayme A., 65 Nassau Street, Charleston, S. C.
 Burwell, (Miss) Indiana, Oxford, N. C.
 Coble, (Miss) Augusta, 120 McCullough Street, Greensboro, N. C.
 Carpenter, (Miss) Flora, Lincolnton, N. C.
 Carrington, (Miss) Charlotte, Halifax, N. C.
 Carrington, (Miss) Wilphria, Leaksville, N. C.
 Carter, (Miss) Blanche, 67 Harrison Street, Greensboro, N. C.
 Caveness, (Miss) Clarice P., Ramseur, N. C.
 Chapman, (Miss) Helen, Greensboro, N. C.
 Chambers, (Miss) B. L., Hickory, N. C.
 Cheek, (Miss) Uneada, Halifax, N. C.
 Cherry, (Mrs.) N. W., Greenville, N. C.
 Clark, (Miss) Irma, Hickory, N. C.
 Clarke, (Miss) Maggie, Box 264, Reidsville, N. C.
 Cofield, (Rev.) J. O., Cumnock, N. C.
 Collins, (Miss) Bertie L., Cofield, N. C.
 Compton, (Miss) L. W., Snow Camp, N. C.
 Cooke, (Miss) Katie Mabel, 712 Anderson Avenue, Henderson, N. C.
 Cooper, (Miss) Charlotte L., 16 New Brooklyn, Orangeburg, S. C.
 Cooper, (Miss) Mattie, 177 Powell Street, Greensboro, N. C.
 Corpening, P. E., Morganton, N. C.
 Covington, (Mrs.) Era, Rockingham, N. C.
 Cox, (Miss) Alline, Asheboro, N. C.
 Cox, (Miss) Lucille, Asheboro, N. C.
 Cramford, (Miss) Clara B., Box 39, Asheboro, N. C.
 Craven, (Miss) Alma B., Ramseur, N. C.
 Currie, (Mrs.) Maggie, Leasburg, N. C.
 Daly, (Miss) Viola, 458 Huger Street, Charleston, S. C.
 Davis, (Miss) Annie, Box 235, Reidsville, N. C.
 Davis, (Miss) Annie Laura, 237 Bridge Street, Athens, Ga.
 Davis, (Miss) B. F., Weldon, N. C.
 Davis, Fred D., 368 Worth Street, Mt. Airy, N. C.
 Davis, (Miss) Lunar P., Warrenton, N. C.
 Davis, (Miss) Mattie J., Reidsville, N. C.
 Davis, (Miss) Mary, Warrenton, N. C.
 DeCosta, (Miss) Eugenia, 5 Rosemont Avenue, Charleston, S. C.
 Dednum, (Miss) Mayme, Box 348, Franklinton, N. C.
 Dent, (Miss) Louise, 402 McKinley Street, Dublin, Ga.
 Dillard, (Miss) Anna, Leaksville, N. C.
 Dixon, (Miss) Amy L., 405 N. Dudley Street, Greensboro, N. C.
 Doak, (Miss) Georgia, Greensboro, N. C.
 Donnell, (Miss) Katherine, Greensboro, N. C.
 Duncan, S. E., Salisbury, N. C.

- Eaton, (Mrs.) L. G., Reidsville, N. C.
 Edwards, (Miss) Annie M., 309 W. First Street, Greenville, N. C.
 Ellington, (Miss) Rebecca, 113 W. Brookstown Ave., Winston-Salem, N. C.
 Ellis, (Mrs.) Carrie, Route 1, Box 22, Greensboro, N. C.
 Ensley, (Miss) Ola B., Thomasville, N. C.
 Evans, (Miss) Mary B., Raleigh, N. C.
 Epps, (Miss) Ada W., 12 Magazine Street, Charleston, S. C.
 Faulkner, Ralph, 131 Dudley Street, Greensboro, N. C.
 Farris, (Miss) Cloe B., Gastonia, N. C.
 Faucette, (Miss) Susie, 426 Canal Street, Goldsboro, N. C.
 Farris, (Miss) Beola, Box 170, Reidsville, N. C.
 Feemster, (Miss) Madilla, Lawndale, N. C.
 Felder, W. H., Greensboro, N. C.
 Fleming, (Miss) Stella, Barber, N. C.
 Forney, (Mrs.) Cornelia, 105 North Dudley Street, Greensboro, N. C.
 Forney, (Rev.) W. A., 105 North Dudley Street, Greensboro, N. C.
 Foster, (Miss) Beulah, 1930 8th Street N. W., Washington, D. C.
 Foster, Chas. A., Greensboro, N. C.
 Foushee, (Miss) Blanch M., Glendon N. C.
 Foushee, Wm., Greensboro, N. C.
 Foust, (Mrs.) Lillie A., Route 2, Box 27, Gibsonville, N. C.
 Fowlkes, (Mrs.) Blanch, Leaksville, N. C.
 Fowlkes, (Miss) Jessie, Leaksville, N. C.
 Fowlkes, (Miss) Vernie, Leaksville, N. C.
 Freeland, Newman, Mebane, N. C.
 Freeman, (Miss) E. E., 826 W. Washington Street, Rockingham, N. C.
 Fulton, (Mrs.) G. A, Mount Airy, N. C.
 Ganies, (Mrs.) Roxie, 403 Watts Street, Greensboro, N. C.
 Garret, (Miss) E. M., 905 Ashe Street, Greensboro, N. C.
 Gaery, (Mrs.) N. H., 307 Habrook Street, Danville, Va.
 Gilmore, (Miss) Rosa B., 118 Centre Street, Chester, S. C.
 Goldsmith, W. H., 402 North Ohio Ave., Atlantic City, N. J.
 Goldston, (Mrs.) Martha A., Cumnock, N. C.
 Graham, (Miss) Mary, 105 North Dudley Street, Greensboro, N. C.
 Graves, (Miss) Addie, Gibsonville, N. C.
 Graves, (Miss) Roduska, 100 Beamon Street, High Point, N. C.
 Gray, (Miss) Margaret, Box 488, Goldsboro, N. C.
 Greenlee, (Mrs.) R. E., Marion, N. C.
 Green, (Miss) M. C., 411 Watson Street, Greensboro, N. C.
 Griffin, T. P., Hamlet, N. C.
 Gwym, (Miss) Ollie, Jamesville, N. C.
 Hailey, (Miss) Lillie L., 609 Pine Street, Hamlet, N. C.
 Haith, (Miss) Duval, 310 North Macon Street, Greensboro, N. C.

- Hamilton, (Mrs.) Alice B., Greensboro, N. C.
 Hamlin, (Mrs.) Abigail, Leaksville, N. C.
 Hamme, Thomas A., Route 3, Box 21, Oxford, N. C.
 Hampton, (Miss) Corine E., Route 1, Box 21, Statesville, N. C.
 Harris, (Miss) Augusta, Dudley Street, Greensboro, N. C.
 Harris, Charles W., 1220 E. Market Street, Greensboro, N. C.
 Harris, (Miss) E. R., North Wilkesboro, N. C.
 Harris, William E., Salisbury, N. C.
 Harrison, Elgin L., Cumnock, N. C.
 Hauley, (Miss) Virginia Dare, Gulf, N. C.
 Hawkins, (Miss) Louise, Sedalia, N. C.
 Hayley, (Miss) Mayme, Warrenton, N. C.
 Headen, (Miss) Marie O., 212 South Street, Mount Airy, N. C.
 Hedrick, (Miss) Etta Smallwood, Leaksville, N. C.
 Headen, (Miss) Fannie B., Greensboro, N. C.
 Headen, (Miss) Lessie J., 916 High Street, Greensboro, N. C.
 Headen, (Miss) Sallie V., 807 Bennett, Greensboro, N. C.
 Henderson, (Miss) Lizzie E., Route 1, Box 55, Manson, N. C.
 Henderson, Lorey R., Greensboro, N. C.
 Hereford, (Miss) Lillian, Ridgeway, Va.
 Hicks, (Miss) Naomi E., Thomasville, N. C.
 Hicks, (Miss) Ruth, Oxford, N. C.
 Hill, (Miss) Ethel G., 74 Smith Street, Charleston, S. C.
 Hill, (Mrs.) Pattie, 119 Mitchell Street, Greensboro, N. C.
 Hinton (Miss) Easter G., Route 3, Clayton, N. C.
 Holden, (Miss) V. D., Youngsville, N. C.
 Holmes, (Miss) Helen B., 607 Ashe Street, Greensboro, N. C.
 Holt, (Miss) Dorothy A., Box 117, Graham, N. C.
 Holt, (Mrs.) Lizzie L., Gibsonville, N. C.
 Hopkins, (Miss) Rosena G., Greensboro, N. C.
 Hooper, W. R., Box 206, Old Fort, N. C.
 Horton, (Miss) Madge, Clayton, N. C.
 Howell, Herman, 709 W. Marsh Street, Salisbury, N. C.
 Huntley, F. D., 938 W. McCullough Street, Greensboro, N. C.
 Hyman, J. C., Oak City, N. C.
 Ingram, (Mrs.) G. B., High Point, N. C.
 Ingram, (Mrs.) N. M., Route 1, Box 45, Lilesville, N. C.
 Isley, (Miss) Lorena, 610 Gorrell Street, Greensboro, N. C.
 Jackson, (Miss) Laura, Columbia, S. C.
 Jamerson, (Mrs.) Clara S., Sanford, N. C.
 Jeffers, Theldredge, Roxboro, N. C.
 Johnson, (Mrs.) Alverada, 1506 S. Ashe Street, Greensboro, N. C.
 Johnson, (Miss) Jeanette, R. F. D. 3, Box 41, Laurinburg, N. C.

- Johnston, (Miss) Maude Pitts, Mt. Holly, N. C.
 Johnston, (Miss) Ruth E., 1100 Green Street, Greenville, N. C.
 Johnson, (Miss) T. S., Slater School, Winston-Salem, N. C.
 Jones, (Miss) Alice H., Wilson, N. C.
 Jones, (Miss) Beatrice, 133 E. Market Street, Reidsville, N. C.
 Jones, (Miss) L. E., 205 N. Dudley Street, Greensboro, N. C.
 Jones, (Miss) Lillian E., 120 Boone Street, Greensboro, N. C.
 Jones, (Rev.) W. H., Brown Summit, N. C.
 King, (Miss) Lillie B., Reidsville, N. C.
 Koger, (Miss) Rachael, 956 McGhee Street, Greensboro, N. C.
 Lassiter, (Miss) A. O., Oxford, N. C.
 Lawrence, (Miss) Annie M., 369 Worth Street, Mt. Airy, N. C.
 Lawrence, C. W., 310 Percy Street, Greensboro, N. C.
 Lay, Benjamin A., Lincolnton, N. C.
 Laughlin, (Mrs.) D. M., R. F. D. 4, Box 178, Greensboro, N. C.
 Lee, W. S., 9 Furman Street, Asheville, N. C.
 Lesueur, (Mrs.) Ida M., 21 N. Main Street, Reidsville, N. C.
 Littlejohn, (Miss) Conie, Statesville, N. C.
 Littlejohn, William, Statesville, N. C.
 Lockhart, (Miss) Juanita, Bessemer City, N. C.
 Lambada, (Miss) Juanita I., Ringgold, Va.
 Long, J. H., Lilesville, N. C.
 Louder, (Miss) Caroline S., 14 Felix Street, Charleston, S. C.
 Lutterloh, (Mrs.) Mary E., Route 6, Box 13, Greensboro, N. C.
 Lyttle, (Miss) Annie B., 628 Park Avenue, Rocky Mount, N. C.
 McBrayer, William, Route 4, Box 240, Greensboro, N. C.
 McLean, (Miss) Maggie B., Lumberton, N. C.
 McCall, (Miss) Hattie B., Greensboro, N. C.
 McCallum, (Miss) Beatrice, R. 3, Box 37-A, Manton, N. C.
 McCallum, (Miss) Fannie, R. 2, Guilford College, N. C.
 McDuffie, (Miss) Lillian, Nichols, N. C.
 Maloy, (Miss) Hattie L., 403 Dudley Street, Greensboro, N. C.
 Martin, (Mr.) Connie, Sandy Ridge, N. C.
 Martin, (Miss) Minnie, Pendleton, N. C.
 Massey, (Miss) Katie, P. O. Box 189, Salisbury, N. C.
 Maynard, (Miss) Ophelia, Asheboro, N. C.
 Mebane, (Mrs.) Blanche, Alachua, Fla.
 Melton, (Miss) Eliza S., East 14th Street School, Winston-Salem, N. C.
 Miller, (Miss) Ara, Route 7, Box 87, Greensboro, N. C.
 Miller, (Miss) Nina, Route 7, Box 87, Greensboro, N. C.
 Maloy, (Rev.) P. F., 403 Dudley Street, Greensboro, N. C.
 Marsh, (Mrs.) Hattie L., Box 95, Moore Street, Southern Pines, N. C.
 Maston, (Mrs.) Mariam, 627 E. Washington Street, High Point, N. C.
 Minor, (Miss) Bertha, 609 S. Ashe Street, Greensboro, N. C.

- Mitchell, (Miss) V. H., Ahoskee, N. C.
 Mock, (Miss) Clara Belle, 1004 E. Bragg Street, Greensboro, N. C.
 Moffit, (Mrs.) Mattie A., Route 7, Greensboro, N. C.
 Moor, (Mrs.) Lucille, Leaksville, N. C.
 Montgomery, (Miss) Alaska M., 96 President Street, Charleston, S. C.
 Montgomery, Connie, Route 6, Box 176, Greensboro, N. C.
 Morgan, (Miss) H. L., 612 Macon Street, Greensboro, N. C.
 Morgan, (Mrs.) Lola C., 214 East Street, Greensboro, N. C.
 Morrison, (Mrs.) Nezzie, 515 New Street, Greensboro, N. C.
 Morrow, (Mrs.) Loftie A., 1001 Lindsay Street, Greensboro, N. C.
 Morrow, (Miss) Piccola, 714 Atkins Street, Winston-Salem, N. C.
 Murdock, William G., High Point, N. C.
 Murray, (Miss) Annie M., Mebane, N. C.
 Murray, (Miss) Eliza A., Box 165, Mebane, N. C.
 Murray, M. W., Mebane, N. C.
 Murrill, H. F., Jacksonville, N. C.
 Norcott, William K., Greenville, N. C.
 Nelson, Gurney E., Greensboro, N. C.
 Nelson, (Mrs.) H. D., Greensboro, N. C.
 Oatney, (Miss) Lessie, 620 Thompson Street, Kinston, N. C.
 Ogborn, (Miss) Mamie, 421 N. Dudley Street, Greensboro, N. C.
 O'Neal, (Miss) Madie P., Winston-Salem, N. C.
 Parks, (Mr.) Herbert, Greensboro, N. C.
 Palmer, (Miss) Maggie, Route 4, Box 146, Greensboro, N. C.
 Peace, (Miss) D. E., Oxford, N. C.
 Peeler, (Miss) Mattie A., Lawndale, N. C.
 Penn, (Mr.) M. W., Reidsville, N. C.
 Person, (Mr.) M., 414 George Street, Greensboro, N. C.
 Peppers, (Miss) Mary F., Lumberton, N. C.
 Pookrum, (Mrs.) Fannie L., 1000 Bilbro Street, Greensboro, N. C.
 Paylor, (Mrs.) Rachael A., Greensboro, N. C.
 Raiford, (Miss) Louise, 841 Austin Street, Greensboro, N. C.
 Rawley, (Mr.) Leone, Mt. Airy, N. C.
 Reaves, (Miss) Lessie B., Greensboro, N. C.
 Reese, (Miss) Ophelia, Leaksville, N. C.
 Reid, C. B., Wadesboro, N. C.
 Reid, (Mrs.) C. B., 644 E. Washington Street, Greensboro, N. C.
 Reid, (Mr.) James E., Salisbury, N. C.
 Rienhardt, (Miss) Annie B., P. O. Box 296, Lincolnton, N. C.
 Rhyne, (Miss) Nellie, Lenoir, N. C.
 Richardson, (Mr.) C. L., Benja, N. C.
 Roberts, (Mrs.) M. J., 127 Mitchell Street, Greensboro, N. C.
 Roberts, (Miss) Maggie G., Leaksville, N. C.
 Robinson, (Miss) Antionette, P. O. Box 45, Lincolnton, N. C.

- Robinson, (Miss) Ava, High Point, N. C.
 Robinson, (Miss) G. M., Durham, N. C.
 Robinson, (Miss) M. M., Reidsville, N. C.
 Robinson, (Miss) Minnetta V., High Point, N. C.
 Rogers, (Miss) Sallie L., 806 S. Ashe Street, Greensboro, N. C.
 Rooks, (Miss) Mabel Louise, Gates, N. C.
 Royster, (Miss) Georgia, Oxford, N. C.
 Rudd, (Miss) Mae S., 1105 Perkins, Street, Greensboro, N. C.
 Sapp, (Mr.) W. E., Guilford College, N. C.
 Sautler O. S., 713 10th Avenue, Belmar, N. J.
 Scanlan, (Miss) Lucille, 42 Nassau Street, Charleston, N. J.
 Sellars, H. S., Norwood, N. C.
 Sherrill, (Miss) Dahla Dawkins, Route 2, Box 21, Statesville, N. C.
 Setzer, E. C., Clover, S. C.
 Simpson, (Miss) Fannie E., 1430 Hattie Ave., Winston-Salem, N. C.
 Sinkler, (Miss) Julia, P. O. Box 294, Summerville, S. C.
 Slade, (Mrs.) D. B., Philadelphia, Pa.
 Slaughter, (Miss) Catherine, Athens, Georgia.
 Smith, (Miss) R. L., Oxford, N. C.
 Smith, (Miss) Maud L., Winston-Salem, N. C.
 Sawyer, (Miss) Fannie Belle, 515 New Street, Greensboro, N. C.
 Smoot, (Miss) Beulah, 520 Macon Street, Greensboro, N. C.
 Spaulding, (Mrs.) H. R., Lake Waccamaw, N. C.
 Spaulding, Major F., Clarkston, N. C.
 Spaulding, (Miss) Pearson, Lake Waccamaw, N. C.
 Spinks, (Miss) A. S., Ulah, N. C.
 Standback, (Miss) L. E., 145 Center St., Chester, S. C.
 Stanfield, (Miss) Hattie E., 1012 E. Market St., Greensboro, N. C.
 Steele, (Mrs.) E. G., Rockingham, N. C.
 Stuart, (Miss) D. E., 28 Clingman Ave., Asheville, N. C.
 Taylor, (Miss) Mamie L., Brown Summitt, N. C.
 Taylor, (Miss) Mary Agnes, 313 N. Macon St., Greensboro, N. C.
 Taylor, (Miss) L. A., P. O. Box 434, Oxford, N. C.
 Thirdgill, (Miss) Josephine, 806 W. Sarah St., Salisbury, N. C.
 Thorpe, S. T., Route 3, Neuse, N. C.
 Timmons, (Miss) E. J., Route 4, Box 216, Greensboro, N. C.
 Toomer, (Miss) Lucile E., 118 President St., Charleston, S. C.
 Trogden, (Miss) O. C., 615 Nantucket St., Greensboro, N. C.
 Turner, E. T., Thomas St., Greensboro, N. C.
 Twine, (Mrs.) M. U., Thomasville, N. C.
 Waddell, (Miss) Margaret C., 518 High St., Greensboro, N. C.
 Wallace, (Miss) Addie, Randleman, N. C.
 Washington, (Rev.) G. H., 404 Salem Street, Greensboro, N. C.

Washington, (Mrs.) Nannie G., 404 Salem Street, Greensboro, N. C.
 Watkins, (Miss) Louise, Box 253, Asheboro, N. C.
 Watts, (Mrs.) Lucy B., 814 Julian Street, Greensboro, N. C.
 White, (Miss) Kittie, 346 N. Macon Street, Greensboro, N. C.
 Whitehead, (Miss) Maude, Halifax, N. C.
 Whitfield, (Miss) J. L., Greensboro, N. C.
 Wilkey, (Mrs.) E., 1502 E. Market Street, Greensboro, N. C.
 Willis, G. H., 913 Watkins Street, Winston-Salem, N. C.
 Witherspoon, (Miss) G. E., 10 Mordecai Street, Greenville, S. C.
 Williams, (Mrs.) J. P., 216 N. Gilmer Street, Greensboro, N. C.
 Williams, (Miss) M. L., 729 Ashe Street, Greensboro, N. C.
 Williams, (Miss) Mildred, 31 Dorland Street, Concord, N. C.
 Williams, Opie, Warsaw, N. C.
 Wilson, (Miss) E. M., 514 Charlotte Street, Hamlet, N. C.
 Williamson, (Miss) Alice, Ruffin, N. C.
 Williamson, (Miss) Ida, Route 1, Box 43, Ruffin, N. C.
 Williamson, (Mrs.) L. M., Norlina, N. C.
 Wilson, (Miss) H., Concord, N. C.
 Wilson, (Miss) Sarah A., Aberdeen, N. C.
 Womble, (Miss) Willard, 527 Bennett Street, Greensboro, N. C.
 Wright, (Miss) Lottie H., Reidsville, N. C.
 Wynn, (Miss) R. L., 915 Lindsay Street, Greensboro, N. C.
 Yelverton, (Mrs.) Sadye, 925 E. Leah Street, Rockingham, N. C.
 Young, (Miss) Alsie B., 114 Burton Street, Asheville, N. C.
 Young, (Mrs.) Bessie M., 403 Beech Street, Greensboro, N. C.

DISTRIBUTION BY COUNTIES OF NORTH CAROLINA

| | | | | | |
|-----------------|----|------------------|----|-------------------|---|
| Alamance | 3 | Cumberland | 1 | Hoke | 3 |
| Anson | 9 | Dare | 1 | Iredell | 1 |
| Beaufort | 2 | Davidson | 5 | Jackson | 1 |
| Bertie | 5 | Duplin | 4 | Johnston | 7 |
| Bladen | 1 | Durham | 6 | Lee | 6 |
| Brunswick | 2 | Edgecombe | 7 | Lenoir | 3 |
| Buncombe | 10 | Forsyth | 6 | Lincoln | 2 |
| Burke | 2 | Franklin | 2 | McDowell | 1 |
| Cabarrus | 5 | Gaston | 4 | Martin | 5 |
| Carteret | 8 | Granville | 2 | Mecklenburg | 6 |
| Caswell | 2 | Greene | 1 | Montgomery | 3 |
| Catawba | 3 | Guilford | 33 | Moore | 9 |
| Chatham | 7 | Halifax | 12 | New Hanover | 7 |
| Chowan | 1 | Harnett | 6 | Northampton | 6 |
| Cleveland | 1 | Haywood | 2 | Onslow | 1 |
| Columbus | 7 | Henderson | 1 | Orange | 2 |
| Craven | 1 | Hertford | 4 | Pamlico | 1 |

| | | | | | |
|------------------|----|------------------|---|------------------|-----|
| Pasquotank | 1 | Rockingham | 6 | Vance | 6 |
| Pender | 6 | Rowan | 8 | Wake | 14 |
| Person | 6 | Rutherford | 1 | Warren | 12 |
| Perquimans | 3 | Sampson | 4 | Washington | 1 |
| Pitt | 7 | Scotland | 6 | Wayne | 9 |
| Randolph | 6 | Stanley | 2 | Wilson | 4 |
| Richmond | 4 | Surry | 2 | | — |
| Robeson | 14 | Union | 5 | Total | 355 |

DISTRIBUTION BY STATES AND FOREIGN COUNTRIES

| | | | | | |
|-------------------|-----|--------------------|----|---------------------|-----|
| Florida | 2 | Ohio | 1 | Virginia | 24 |
| Georgia | 5 | Oklahoma | 2 | West Virginia ... | 1 |
| Kentucky | 2 | Pennsylvania | 6 | British West Indies | 1 |
| New Jersey | 4 | Porto Rico | 1 | | — |
| New York | 2 | South Carolina ... | 18 | Total | 427 |
| North Carolina .. | 355 | Tennessee | 3 | | |

SUMMARY

| | |
|--|-----|
| Number in attendance Regular Session 1925-26 | 427 |
| Number in attendance Summer School 1925 | 324 |
| | — |
| Total | 751 |
| Number of counties represented | 73 |

DIRECTIONS FOR ENTRANCE

The applicant will make the following payments:

Monthly Payments

| | |
|---|---------|
| Laundry, per month | \$ 1.00 |
| Tuition, per month | 2.00 |
| Lodging in Morrison Hall, per month | 3.00 |
| Lodging, per month | 2.00 |
| Board, per month | 12.00 |

Term Payments

| | |
|--------------------------------|---------|
| Auto Mechanics | \$ 5.00 |
| Blacksmithing | 3.00 |
| Broom Making | 2.00 |
| Carpentry | 3.00 |
| Electricity and Plumbing | 2.00 |
| Machine Shop Practice | 2.00 |
| Masonry | 2.50 |
| Photography | 5.00 |
| Shoemaking | 3.00 |
| Commercial Course | 3.00 |
| Physics | 2.00 |
| Chemistry | 2.00 |
| Biology | 2.00 |
| General Science | 1.00 |
| Tailoring | 5.00 |

Yearly Payments

| | |
|--|---------|
| Uniform Deposit Fee | \$ 5.00 |
| Incidental Deposit | 2.00 |
| Registration Fee | 1.00 |
| Lecture Fee | 2.00 |
| Dining Hall Fee | 1.00 |
| Medical Fee | 2.00 |
| Library Fee | 1.00 |
| Athletic Fee | 5.00 |
| Matriculation, payable once, for new students only | 5.00 |

These fees are payable strictly in advance.

No students can remain on the campus longer than twenty-four hours without registering.

No student will be admitted to any department of the college until he has paid his first month's expenses.

Each student should bring two quilts or blankets, one counterpane, four sheets, two pillow cases, six towels, etc.

Parents are requested to send all money to the President rather than to the students. Since all students are required to wear uniforms, parents are asked not to buy expensive suits for their sons, as uniforms can be purchased at a very reasonable price.

F. D. BLUFORD, President.

THE NEGRO AGRICULTURAL AND TECHNICAL COLLEGE
OF NORTH CAROLINA

Application for Admission

1. Name
2. Postoffice Address—City
3. Street and Number R. F. D.
4. County State
5. Guardian's Name
- Parent's Name
6. Home (Postoffice Address. City)
7. Date of Birth
8. What day do you expect to enter school?
9. Name of school attended last
10. How many years have you attended high school?
11. Have you even been dismissed, suspended or expelled from a school?
12. Recommended by
13. Present work is
14. I desire to learn
15. Do you intend to take a full course and graduate?
- If so, what course?
16. Do you intend to remain in college until the end of the session?
- If not, how long do you intend to remain?
- What subject do you wish to take that is not given?

In applying for admission, I promise, if accepted, to conduct myself in a manner becoming to a gentleman, and to make proper use of the educational advantages offered. I promise to observe and obey the regulations of the institution.

Applicant's signature

The applicant has been examined and assigned to

Class Dept.

..... Dean.

Matriculation No. Date of Matriculation

Page

